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

## 10.3.4

### Release Notes





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| Contact Method | Contact Information |
|----------------|---------------------|
|----------------|---------------------|

|        |                   |
|--------|-------------------|
| E-mail | support@retex.com |
|--------|-------------------|

|                 |   |
|-----------------|---|
| Internet (ROCS) | <a href="https://rocs.retek.com">rocs.retek.com</a><br>Retek's secure client Web site to update and view issues |
|-----------------|---|

|       |                 |
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|-------|-----------------|

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| France         | 0800 90 91 66  |
| United Kingdom | 0800 917 2863  |
| United States  | +1 800 61 RETEK or 800 617 3835                          |

|      |   |
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| Mail | Retek Customer Support<br>Retek on the Mall<br>950 Nicollet Mall<br>Minneapolis, MN 55403 |
|------|---|

### 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), 10.3.3 and 10.3.4 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 30<sup>th</sup>, 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 to the recommended RIB 10.3.3 cumulative, full patch release (of base path RIB 10.3.1 and 10.3.2 components) and now the RIB 10.3.4 delta/incremental 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 RIB 10.3.3 and now the RIB 10.3.4 releases, 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. For the RIB 10.3.3 release, the cumulative ESR 54788, ESR 55102 and ESR 5833 should be installed prior to installation of RIB 10.3.4. 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 Oracle cumulative patch of 9.2.0.4. 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.
- **Sun® Solaris™ 9 Operating System (OS)** – Effective March 31, 2004, Retek announces its support of Sun Solaris 9. All products in the Retek 10 suite have been certified with Solaris 9.
- **WebSphere 5.1** – The integration between RMS and MDM leverages WebSphere Application Server version 5.1.
- **Java Initiator (Jinitiator)** – The RIB 10.3.4 release has been tested using Jinitiator 1.3.102.

- **Java Runtime Environment (JRE)** - The Java Runtime Environment (JRE) is used by the Java Virtual Machine (JVM). Master Data Management (MDM) runs in an application server which uses its own JVM that must use the 1.4.x JRE / JVM. MDM will interface directly with the SeeBeyond JMS IQ Manager (the SeeBeyond JMS Server) via a TCP / IP connection and SeeBeyond's TopicConnection classes that work in the 1.4.x JVM / JRE environment. The MDM application server does not use a SeeBeyond Schema at all. The SeeBeyond RIB components run in each of the e\*Ways' JVM. SeeBeyond only supports the 1.3.1 JVM / JRE. All of these non-MDM interface components (between the RMS, RWMS / RLM and ISO) run in a SeeBeyond Schema. SeeBeyond supplies its own JVM / JRE environment to run in, and this should be used by a customer, as SeeBeyond supports the JRE 1.3.x and does not support the 1.4.x JVM / JRE in the SRE subsystem of eGate 5.0 or in the 4.5.3 eGate schemas.
- **Hardware Platforms** – The RIB 10.3.4 release has been tested using Sun Solaris 9, HP-UX11/11i and IBM AIX 5L.
- **User Interface** – The RIB 10.3.4 release is recommended to use with 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 and now the RIB 10.3.4 release. Please read the RIB 10.3.4 Installation Guide in its entirety before beginning RIB installation.
- **Retek® Merchandising System™ (RMS)** – The RMS 10.1.7 incremental/delta patch release has been certified with the RIB 10.3.4, MDM 10.0 and SIM 10.3.1 releases. Also, the RMS 10.2 functional release has been certified with the RIB 10.3.4, MDM 10.0 and SIM 10.3.1 releases. Clients must upgrade to RMS 10.1.7 or RMS 10.2 to take advantage of this first release of MDM and its integration with RMS. Please read the RMS Installation Guide and Release Notes in their entirety before beginning RMS installation.
- **Retek® Master Data Management™ (MDM)** – Master Data Management (MDM) runs in an application server which uses its own JVM that must use the 1.4.x JRE / JVM. MDM will interface directly with the SeeBeyond JMS IQ Manager (the SeeBeyond JMS Server) via a TCP / IP connection and SeeBeyond's TopicConnection classes that work in the 1.4.x JVM / JRE environment. The MDM application server does not use a SeeBeyond Schema at all. Integration with RMS, the 9.0.15, 10.1.7 and the 10.2 releases, requires that the customer run the Oracle 9i database. In addition, for RMS 9, a batch component has been written so that a retailer is not required to license the RIB and SeeBeyond. Instead, interfaces between MDM and RMS leverage WebSphere 5.1.1.

- **Retek® Distribution Management™ (RDM)** –Although RDM leverages the RIB for integration with RMS and SIM, none of the general availability RIB interfaces of RDM 10.3.3 were modified in the RIB 10.3.4 work effort. As a result RDM interfaces did not undergo integration test with RMS 10.1.7 or 10.2, RIB 10.3.4, SIM 10.3.1 and MDM 10.0.. If a client were delivered RDM 10.3.3 with RIB 10.3.4 integration, they will receive a RIB for RDM 10.3.3 ‘tar’ file and the interfaces are supported through the normal Customer Support channels. Please read the RDM Installation Guide and Release Notes in their entirety before beginning RDM installation. [Note: RDM will undergo a name/branding change to Retek® Warehouse Management System™ (RWMS) effective August 31<sup>st</sup>, 2004.].
- **Retek® Labor Management™ (RLM)** – The RLM 10.3.0 release is a base path release that has not been integration tested with the RIB or RDM.
- **Retek® Store Inventory Management™ (SIM)** – To remain on the SIM upgrade schedule and take advantage of the significant enhancements of both the SIM 10.3.0 and SIM 10.3.1 patch release, we strongly recommend upgrade to SIM 10.3.1 release for integration with the RIB 10.3.4 release. If a client has not yet installed the SIM 10.0 or 10.3.0 releases, the client only need install the cumulative release of SIM 10.3.1. Please read the SIM Installation Guide and Release Notes in their entirety before beginning SIM installation.
- **Retek® Customer Order Management™ (RCOM)** – Although RCOM 10.1 was integrated to the RMS 10.1.0, RDM 10.1.0 and RIB 10.1 releases, the scalability features of RIB 10.3.0 through 10.3.4 were *not* incorporated into RCOM interfaces. As a result, we do not require or include upgrades to the Retek® Customer Order Management™ (RCOM) product. RCOM 11.0 interfaces will include refactored integration to the Retek Xi enterprise.
- **Retek® Master Data Management™ (MDM)** – 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.

- **Retek® Service Layer™ (RSL)** – New to this release is the RSL. This provides synchronous access to RMS services with a standard (strongly typed) API. It also provides a simple methodology for using and creating new services. There is also functionality to allow this service to be utilized in a stand alone environment. It is dependant upon platform specific code released by MDM and payload code released with the RIB.

Beginning with this release, we’ve implemented the RMS Xitem Service. Various pieces are required to be installed. Because of the separation between business logic and RSL pieces, there are two separate installed pieces and configuration per the business logic. Please refer to the installation and operations guide for detailed information.

MDM is currently the only client application to use RMS Xitem interfaces through this application for this release. As this architecture matures, more interfaces will be implemented and released as part of applications.

# RIB functional and technical features

Several enhancements have been made to the RIB in the 10.3.4 patch release. Clients are strongly recommended to upgrade to the RIB 10.3.4 release to take advantage of the following product improvements for integration between the RMS, SIM and now MDM.

## Master Data Management (MDM) Integration

As the newly released enterprise store for Item information, MDM must interface with the RMS to provide Item access in support of the customer's business processes. Currently, MDM will interface with RMS 10.2, RMS 10.1.7 and RMS 9.0.15. In addition, MDM provides generally available integration to the Universal Commercial Code (UCC) UCCNet™. Please thoroughly read the MDM 10.0 Release Notes and all documentation for additional information.

Beginning with the MDM 10.0, RMS 10.1.7, 10.2, 9.0.15 and RIB 10.3.4 release set, the following generally available interfaces are made available. [For RMS 9, a batch component has been written so that a retailer is not required to license the RIB and SeeBeyond.]:

- Cost Zone (Groups) for publication by RMS and MDM subscription;
- Item (Item Nodes) information exchange between the RMS and MDM;
- Location Lists (Groups) for publication by RMS and MDM subscription;
- Merchandising Hierarchy (Item Nodes) information exchange between the RMS and MDM;
- Organizational Hierarchy (Location Nodes) publication from the RMS for MDM subscription;
- Partner (EnumOptionSet) publication from the RMS for MDM subscription;
- Season (EnumOptionSet) publication from the RMS for MDM subscription;
- Country (EnumOptionSet) publication from the RMS for MDM subscription;
- Stores (Location Nodes) publication from the RMS for MDM subscription;
- UCCNet Items (Induct Items) subscription by MDM from UCCNet;
- Vendor (Supplier Nodes) publication from the RMS for MDM subscription and
- Warehouse (Location Nodes) publication from the RMS for MDM subscription.
- XUDA (Attributes) publication from MDM to RMS;
- XDiffID (EnumOptionSet) publication from MDM to RMS;
- ItemList (Groups) publication from MDM to RMS;
- XDiffGrp (Groups) publication from MDM to RMS and
- UCCNet Response (InductItemResponse) publication by MDM to UCCNet.



## 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 10.3.4 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.

As with the RIB 10.3.3 release, the RIB 10.3.4 interfaces for the ISO Store Inventory Management (SIM) solution include:

- Advanced Shipping Notice (ASN) Outbound / Bill Of Lading (BOL) interfaces RDM publication for ISO-SIM subscription.
- Enhanced with SIM 10.3.1, the 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. Within the SIM 10.3.1 release, performance improvements have been made to SIM subscription.
- 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 – 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 – This interface allows the RMS to send item location relationships to the store
- Item Zone Price – 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 – This interface allows the RMS to send confirmation messages to ISO-SIM regarding Price Change Requests initiated by ISO-SIM
- Price Change Request – This interface enables ISO-SIM to send a store desired price change to the RMS
- Price Zone Group – The RMS publication of price zone group store information so that ISO-SIM users are able to view all store / zone relationships
- Enhanced in SIM 10.3.1, the 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. Within the SIM 10.3.1 release, performance improvements have been made to SIM subscription.
- Receipts – ISO-SIM publication of store receipt information to RMS
- Return To Vendor (RTV) – ISO-SIM publication for RMS subscription

- RTV Request – 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 – 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 – 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

The configure scripts will create and configure the listener ports, the Generic JMS provider and the JDBC DataSources, all in WebSphere, using jacl scripts.

# 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](http://www.retek.com/support), for installation questions and issues.

**RMS 10.1.7, 10.2 or 9.0.15**– For RMS 10.1.7 and 10.2, once having installed all RMS releases through 10.1.6, follow instructions provided with the applicable RMS 10.1.7 or 10.2 release notes and installation instructions. For RMS 9.0.15, once having installed all RMS releases through 9.0.14, please follow instructions provided with the RMS 9.0.15 release notes and installation instructions. If the retailer is not licensing RIB and Seebeyond, refer to the Installation Guide on how to setup the RIB-RMS batch components. The RIB-RMS batch components will allow the retailer to export RMS publishing data to a XML files, and import XML files into RMS subscribers.

**MDM 10.0** – Please follow the Master Data Management release notes and installation instructions along with the applicable RMS 10.2, RMS 10.1.7, or RMS 9.0.15 instructions.

**SIM 10.3.1** – 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 10.3.4** – Follow the RIB 10.3.4 Installation Guide to install RIB versions 10.3.0 followed by 10.3.3 and then the RIB 10.3.4 delta release.

- The RIB 10.3.4 release includes the following components.

- ewASNInEDIToASNInLocFromRIB.zip
- ewASNInFromEDI.zip
- ewASNInToRMS.zip
- ewASNOutToASNInLocFromRIB.zip
- ewASNOutToASNOutATFromRIB.zip
- ewASNOutToRMS.zip
- ewAllocFromRMS.zip
- ewAllocToStockOrderFromRIB.zip
- ewBannerFromRMS.zip
- ewCOReturnToRMS.zip
- ewCOSaleToRMS.zip
- ewCostZnGrpFromRMS.zip
- ewCurRateToRMS.zip
- ewDSDDealsToRMS.zip
- ewDSDReceiptToRMS.zip
- ewDiffGrpFromRMS.zip

- ewDiffsFromRMS.zip
- ewFrtTermToRMS.zip
- ewGLCOAToRMS.zip
- ewHospitalRetryISO.zip
- ewHospitalRetryRMS.zip
- ewInvAdjustToRMS.zip
- ewInvReqToRMS.zip
- ewItemListToRMS.zip
- ewItemLocFromRMS.zip
- ewItemLocToItemLocLocFromRIB.zip
- ewItemZonePrcFromRMS.zip
- ewItemsFromRMS.zip
- ewItemsToItemsISOFromRIB.zip
- ewLocListFromRMS.zip
- ewMerchHierFromRMS.zip
- ewOTBToRMS.zip
- ewOrderFromRMS.zip
- ewOrderToOrderISOFromRIB.zip
- ewOrgHierFromRMS.zip
- ewPartnerFromRMS.zip
- ewPayTermToRMS.zip
- ewPrcChgConfFromRMS.zip
- ewPrcChgReqToRMS.zip
- ewPrcZoneGrpFromRMS.zip
- ewPublisherHospitalRetryRMS.zip
- ewRTVReqFromRMS.zip
- ewRTVReqToRTVReqLocFromRIB.zip
- ewRTVToRMS.zip
- ewReceivingToRMS.zip
- ewSOStatusToRMS.zip
- ewSOStatusToSOStatusATFromRIB.zip
- ewSeasonFromRMS.zip
- ewSeedDataFromRMS.zip
- ewSeedDataToSeedDataISOFromRIB.zip
- ewSeedObjFromRMS.zip

- ewStoresFromRMS.zip
- ewStoresToStoresPhysFromRIB.zip
- ewStkCountSchToRMS.zip
- ewTransfersFromRMS.zip
- ewTransfersToStockOrderFromRIB.zip
- ewUDAsFromRMS.zip
- ewVendorFromRMS.zip
- ewVendorToRMS.zip
- ewWHFromRMS.zip
- ewWHToWHPhysFromRIB.zip
- ewWOInFromRMS.zip
- ewXDiffGrpToRMS.zip
- ewXDiffIDToRMS.zip
- ewXUDAToRMS.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 – 10.3.4)

## 1 Schema runtime classes directory

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

|            |   |              |                     |                       |
|------------|---|--------------|---------------------|-----------------------|
| -rwxr-xr-- | 1 | egatein1 dev | 367406 Mar 10 14:45 | log4j.jar             |
| -rwxrwx--- | 1 | egatein1 dev | 154357 Mar 19 16:27 | retex-pub-trans.jar   |
| -rwxrwx--- | 1 | egatein1 dev | 357143 Mar 19 16:27 | retex-rib-support.jar |
| -rwxrwx--- | 1 | egatein1 dev | 52588 Mar 19 16:27  | retex-sbyn.jar        |

## 2 Default classes directory

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

|            |   |              |                      |                            |
|------------|---|--------------|----------------------|----------------------------|
| -rw-r--r-- | 1 | egatein1 dev | 8512 Nov 10 2002     | EgateXMLSchemaRegistry.jar |
| -rw-r--r-- | 1 | egatein1 dev | 11310 Oct 25 05:03   | jcsbootstrap.jar           |
| -rwxrwx--- | 1 | egatein1 dev | 34271 Mar 9 14:21    | stcbatch.jar               |
| -rwxrwx--- | 1 | egatein1 dev | 201195 Mar 9 14:21   | stcbatchext.jar            |
| -rwxrwx--- | 1 | egatein1 dev | 50627 Mar 9 14:21    | stcewcommoneway.jar        |
| -rw-r--r-- | 1 | egatein1 dev | 3642 Nov 10 2002     | stcexception.jar           |
| -rw-r--r-- | 1 | egatein1 dev | 2892902 Oct 25 05:03 | stcjcs.jar                 |
| -rw-r--r-- | 1 | egatein1 dev | 229 Jan 24 2002      | stcjcsbootstrap.ctl        |
| -rwxrwx--- | 1 | egatein1 dev | 69486 Mar 9 14:24    | stcjdbcx.jar               |
| -rw-r--r-- | 1 | egatein1 dev | 192757 Dec 2 14:20   | stcjms.jar                 |
| -rw-r--r-- | 1 | egatein1 dev | 83659 Oct 25 05:03   | stcjournaller.jar          |
| -rw-r--r-- | 1 | egatein1 dev | 39571 Nov 10 2002    | stcph.jar                  |
| -rw-r--r-- | 1 | egatein1 dev | 22626 Nov 10 2002    | stcqviewer.jar             |
| -rw-r--r-- | 1 | egatein1 dev | 52232 Nov 10 2002    | stcutil.jar                |

# RIB release and supplementary documentation

Detailed descriptions of RIB features have been updated for the RIB 10.3.4 release and are described in the following documents:

- Retek Integration Bus 10.3 Integration Guide including:
  - 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 10.3.4 Fixed Defects

| Issue           | Description  |
|-----------------|--|
| RQST00000050222 | The unit cost field in the Receipt DTD was modified to correctly allow for decimals.   |
| RQST00000050108 | The item eWay from RMS was modified to correctly map to all Retek applications.  |
| RQST00000048244 | The Store interface to RDM from RMS was modified to allow for the full store manager decription to successfully subscribe in RDM.                    |
| RQST00000053111 | The Collaboration Rule inside the WH to WH transfer TAFR was modified for an error encountered when looking for the facility id of the receiving wh. |
| RQST00000052813 | The RMS publish retry eWay was modified to fix a threading issue inside the collaboration rule.  |

Some of the e\*Ways contain stc\*.jar files. These are SeeBeyond jar files and should only be updated by SeeBeyond ESRs. The following steps will ensure that these files are not replaced when importing the 10.3.4 eways.

- 1 Be sure all components except the Registry are turned off.

- 2 `cd $EHOME/server/registry/repository/default/classes`



**Note:** Note the versions of the stc\*.jar files that you have in this directory. Save off these files before the import. After the import review this directory and copy the original saved files over any changed files in this directory.

- 3 `cd $EHOME/egate/server/registry/repository/RIB103/runtime/classes`



**Note:** This directory should have no stc\*.jar files after the import. Delete any stc\*.jar files found in this directory after import.

- 4 `cd $EHOME/egate/client/classes`



**Note:** Remove any stc\*.jar files from this directory.

- 5 Flush the registry.

```
stcregutil -rh [host] -rp [host port] -rs RIB103 -un Administrator -  
up STC -sf
```

When you start up the e\*Ways they will pull down the original versions of the stc\*.jar files.

Starting with RIB 10.3.4, all e\*Ways are required to have the log4j.jar specified in their classpath. The log4j.jar file must exist under \$EHOME/client/classes.

For custom or previously imported e\*Ways in the environment, an utility provided in the retek-rib-support.jar can be executed to add the log4j.jar entry in the classpath of every e\*Way:

```
java -cp $EHOME/client/classes/retek-rib-support.jar  
com.retek.rib.log.converter.Log4jEwayClasspathAppender {file}
```

Where {file} could be one of the following:

- 1 An eGate exported e\*Way definition file (zip file)
- 2 A directory containing eGate exported e\*Way definition files (zip files)
- 3 A text file containing a list of eGate exported e\*Way definition files (one per line)
- 4 A text file containing a list of e\*Way names (one per line)

The first three options require that e\*Ways are re-imported into the eGate environment for the change to take effect.

The last option requires the utility to be executed locally from the machine hosting the eGate registry. When using this option, the application will prompt for information about the eGate environment. This information can be provided in the command line as in the following example:

```
java -DEHOME={EGATE_INSTALL_DIR} -DEGATE_SERVER_NAME={EGATE_HOST}  
-DEGATE_SERVER_PORT={REGISTRY_PORT} -DSchema={SCHEMA_NAME}  
-DCONTROL_BROKER={CONTROL_BROKER_NAME} -DEGATE_USER={EGATE_USER}  
-DEGATE_PASSWORD={EGATE_USER_PASSWORD}  
com.retek.rib.log.converter.Log4jEwayClasspathAppender {file}
```



Where each value enclosed in curly brackets must be substituted with the environment's appropriate information.

Whether properties are specified in the command line or not, the utility will confirm these values, or the default values, before proceeding.