

Retek[®] Integration Bus[™] 11.0.1

Release Notes

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Customer Support is available 7x24x365 via email, phone, and Web access.

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Contact Method	Contact Information
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E-mail	support@retex.com
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Internet (ROCS)	rocs.retek.com 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
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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 11.0.1 Release Overview

The generally available RIB 11.0.1 release of October 31st, 2004, is the second release in a series of three phased RIB releases during the remainder of 2004. The first release version of 11.0 was generally available with a release date of Aug, 31st, 2004. Each phased release builds support for enterprise integration of the Retek® Xi™ suite. Summaries of the last remaining release, RIB 11.0.2 is provided later in these Release Notes. The RIB 11.0.1 release incorporates any technical and business process refinements providing message-based integration for:

- The generally available Retek® Merchandising System™ (RMS) 11.0.1 release of October 31st, 2004. Clients taking possession of the RMS 11.0.1 that wish to integrate with the phased releases of Retek Xi enterprise solutions are required to take possession of the RIB 11.0.1 release.
- The generally available Retek Price Management (RPM) 11.0 integrating with RMS 11.0.1 patch release of October 31st Retek Merchandising system.

Details of the RIB 11.0.1 release are fully expressed in the RIB 11.0. Technical Architecture Guide, the associated Document Type Definitions (DTD), mapping documentation, the RIB 11.0 Data Model and the Retek 11.0 Integration Guide. These guides, along with the other RIB materials, should be reviewed in their entirety before beginning work with the RIB 11.0 release.

- **Retek® Merchandising System™ (RMS)** – The generally available RMS 11.0.1 release has undergone integration test with the RIB 11.0.1 release. Clients wishing to remain on the RMS 11.x upgrade path must upgrade to RIB 11.0.1 and subsequent releases. Please read the applicable RMS release documentation in it's entirety before beginning an RMS installation.
- **Retek® Customer Order Management™ (RCOM)** – RCOM 11.0 has been integration tested with the RIB 11.0.1 release.
- **Retek® Price Management™ (RPM)** – The generally available RPM 11.0 release has undergone integration test with the RIB 11.0.1 release. A generally available December 31st, 2004, release of RPM 11.0.1 is planned for integration test with the RIB 11.0.2. Integration information will be detailed in December RIB and RPM documentation.

RIB 11.0.1 Functional Features

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

Merchandising System (RMS) 11.0.1

The RIB 11.0.1 release supports modifications to the following RMS 11.0.1 interfaces:

- **ItemLoc Publication** - This message was modified to include a warehouse location in the publication to the RMSMFItemLoc queue table. In the earlier versions only the store was being passed over to the staging queue table. This message will now be routed to Retek Price Management (RPM).
- **Store Publication** – The store publication message has not changed but the message is being routed to Retek Price Management.
- **WH Publication** – The warehouse publication message has not changed but the message is being routed to Retek Price Management.

The RIB 11.0.1 release supports the following new RMS 11.0.1 interfaces:

- Regular Price Change Subscription – A new message has been created for RMS to subscribe to Regular Price changes from Retek Price Management. This message just drives the ticketing function inside of RMS and does not execute a price change for an item in RMS.
- Merchandise Hierarchy Publication – The Merchandise Hierarchy publication message has not changed but the message is being routed to Retek Price Management.

RIB 11.0 Technical features

Several technical enhancements have been made within the RIB 11.0 release. Clients are required to upgrade to the RIB 11.0 release.

Jar Files

The following .jar file changes are provided in the RIB 11.0.1 release:

- retek-rib-support.jar:
- retek-sbyn.jar:
- retek-sbyn-config.jar
- retek-pub-trans.jar:
- cglib2.jar
- hibernate2.jar
- odmg.jar
- ehcache.jar
- log4j.jar
- commons-beanutils.jar
- commons-collections.jar
- commons-lang.jar
- commons-logging.jar
- commons-validator.jar
- xercesImpl.jar
- jdom.jar
- spin.jar
- platform-api.jar
- platform-server.jar
- platform-common.jar
- platform-conf.jar
- dom4j.jar

- rib-aip.ear

RIB Performance

RIB 11.0.1 has been performance tested for the following interfaces:

- Receiving – Both for Purchase order and Stock Order.
- DSD Receiving
- ASNOUT
- Inventory Adjustments
- Customer Order Sale
- Customer Return Sale

RIB 11.0.2 Patch Release

The generally available December 31st, 2004, RIB 11.0.2 patch release is planned to include integration support for a robust set of pricing business process enhancements for generally available RMS 11.0.2, RPM 11.0.1, and SIM 11.0 releases. In addition, significant RIB Error Hospital and other technical enhancements are planned for release in December.



Note: The RIB 11.0 and 11.0.1 releases *do not* included some on-line help facilities. These features will be released with RIB 11.0.2.

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.

- 1 **RMS 11.0.1** – Please follow instructions provided with the RMS 11.0.1 Installation Guide
- 2 **RPM 11.0** – Please follow the instructions provided with RPM 11.0 Installation Guide.
- 3 **RIB 11.0.1** – Please follow the instructions provided with RIB 11.0.1 Installation Guide.

RIB Directory Summary (Current – 11.0.1)

1 Schema runtime classes directory

\$EHOME/server/registry/repository/RIB1101/runtime/classes

-rwxrwx---	1	egategt	dev	274202	Oct 13 16:33	cglib2.jar
-rwxrwx---	1	egategt	dev	118483	Oct 13 16:33	commons-beanutils.jar
-rwxrwx---	1	egategt	dev	165119	Oct 13 16:33	commons-collections.jar
-rwxrwx---	1	egategt	dev	197055	Oct 13 16:33	commons-lang.jar
-rwxrwx---	1	egategt	dev	31605	Oct 13 16:33	commons-logging.jar
-rwxr-xr--	1	egategt	dev	176	Oct 13 16:33	commons-logging.properties
-rwxrwx---	1	egategt	dev	46865	Oct 13 16:33	commons-validator.jar
-rwxrwx---	1	egategt	dev	486522	Oct 13 16:33	dom4j.jar
-rwxrwx---	1	egategt	dev	42763	Oct 13 16:33	ehcache.jar
-rwxr-xr--	1	egategt	dev	1785	Oct 13 16:33	hibernate.cfg.xml
-rwxrwx---	1	egategt	dev	910873	Oct 13 16:33	hibernate2.jar
-rwxrwx---	1	egategt	dev	11295	Oct 13 16:20	jcsbootstrap.jar
-rwxrwx---	1	egategt	dev	135368	Oct 13 16:33	jdom.jar
-rwxrwx---	1	egategt	dev	367406	Oct 13 16:33	log4j.jar
-rwxrwx---	1	egategt	dev	13091	Oct 13 16:33	odmg.jar
-rwxrwx---	1	egategt	dev	48189	Oct 13 16:33	platform-api.jar
-rwxrwx---	1	egategt	dev	1576806	Oct 13 16:33	platform-client.jar
-rwxrwx---	1	egategt	dev	208128	Oct 13 16:33	platform-common.jar
-rwxrwx---	1	egategt	dev	12388	Oct 13 16:33	platform-conf.jar
-rwxrwx---	1	egategt	dev	582758	Oct 13 16:33	platform-server.jar
-rwxrwx---	1	egategt	dev	185032	Oct 13 16:33	retex-pub-trans.jar
-rwxrwx---	1	egategt	dev	699324	Oct 13 16:33	retex-rib-support.jar
-rwxrwx---	1	egategt	dev	5143	Oct 13 16:33	retex-sbyn-config.jar
-rwxrwx---	1	egategt	dev	74150	Oct 21 09:56	retex-sbyn.jar
-rwxrwx---	1	egategt	dev	53501	Oct 13 16:33	spin.jar
-rwxrwx---	1	egategt	dev	953851	Oct 13 16:33	xercesImpl.jar

2 Default classes directory

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

-rw-r--r--	1	egategt dev	8510 Jun 11 00:55	EgateXMLSchemaRegistry.jar
-rw-r--r--	1	egategt dev	11295 Jun 11 00:55	jcsbootstrap.jar
-rwxrwx---	1	egategt dev	34632 Oct 13 10:32	stcbatch.jar
-rwxrwx---	1	egategt dev	201475 Oct 13 10:32	stcbatchext.jar
-rwxrwx---	1	egategt dev	50625 Oct 13 10:32	stcewcommoneway.jar
-rw-r--r--	1	egategt dev	3640 Jun 11 00:56	stcexception.jar
-rw-r--r--	1	egategt dev	2896898 Aug 6 13:53	stcjs.jar
-rw-r--r--	1	egategt dev	229 Jan 24 2002	stcjsbootstrapctl
-rwxrwx---	1	egategt dev	71399 Oct 13 10:34	stcjdbcx.jar
-rw-r--r--	1	egategt dev	194419 Jun 11 00:56	stcjms.jar
-rw-r--r--	1	egategt dev	84112 Jun 11 00:56	stcjournaller.jar
-rw-r--r--	1	egategt dev	39569 Jun 11 00:56	stcph.jar
-rw-r--r--	1	egategt dev	22624 Jun 11 00:56	stcqviewer.jar
-rw-r--r--	1	egategt dev	52264 Jun 11 00:56	stcutil.jar

RIB release and supplementary documentation

Detailed descriptions of RIB features have been updated for the RIB 11.0.1 release and are described in the following documents:

- Retek Integration Bus 11.0.1 Integration Guide, including
 - DTD Components by Family Report – 11.0.1 Full release
 - RIB Elements Report – 11.0.1 Full Release and Delta
 - Integration Guide – 11.0.1 Full Release and Delta
 - Message Families and Types Report – 11.0.1 Full Release and Delta
 - Mapping Reports – 11.0.1 Full release
 - Retek Integration Bus - 11.0.1 Installation Guide

The following Reports are not going to be released with 11.0.1 version as nothing has changed from the previous 11.0 version.

- Technical Architecture Guide
- Operations Guide
- Data Model

RIB 11.0 known issues with planned resolution

Issue	Description	Mitigation / Workaround
1	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.
2	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.
3	RTV Subscription API – If an RTV record comes to RMS where an Item/Loc record does not exist, then the RMSSUB_RTV API does not create an Item/Loc record on the fly. The message will be routed to the RIB Hospital.	The workaround is to first add the location to the item and then reprocess the message.
4	RTV Subscription From Warehouse – When a RTV message coming from the warehouse is consumed by RMS, the RMSSUB_RTV API will automatically create an invoice if the Supplier setting 'Auto_Appr_Inv Ind' is set to a 'Yes'. In the event an RTV has more than one item and the first item is consumed, the RTV consume API will match the Invoice and set it to Approved or posted status. If the second item is now processed the consume API will see the Approved or Posted status and error out this record.	The workaround is to set the 'Auto_Appr_Inv Ind' to No.
5	Null, Null is being put into the hospital instead of the actual error message for J2ee applications (RCOM and RPM).	View Webshpere logs.
6	WhMod messages are not being filtered out by the RIB. RPM does not subscribe to them and therefore an error is put into the hospital. This is a known bug.	Delete hospital GUI.
7	If JMS is shutdown.	The Application Server for the rib-<app> must be restarted.

There are also known errors with the Installation of RIB 11.0.1 but will not affect the installation of RIB11.0.1. Following are the errors:

```
*** ERROR *** Mon Oct 25 11:28:50 CDT 2004    caller:  at
com.ibm.etools.java.adapters.ReflectionAdaptor.reflectValuesIfNecess
ary(ReflectionAdaptor.java:124)

    IWAE0001E Failed reflecting values.

*** ERROR *** Mon Oct 25 11:28:50 CDT 2004    caller:  at
com.ibm.etools.java.adapters.ReflectionAdaptor.reflectValuesIfNecess
ary(ReflectionAdaptor.java:125)

    java.lang.NoClassDefFoundError:
com/retex/platform/service/AbstractServiceLocalHome

        at java.lang.ClassLoader.findLoadedClass(Native Method)
        at java.lang.ClassLoader.loadClass(ClassLoader.java(Compiled
Code))

            at
com.ibm.etools.archive.util.ArchiveFileDynamicClassLoader.loadClass(
ArchiveFileDynamicClassLoader.java:96)

                at
com.ibm.etools.archive.util.ArchiveFileDynamicClassLoader.loadClassI
nDependentJarInEAR(ArchiveFileDynamicClassLoader.java:138)

                    at
com.ibm.etools.archive.util.ArchiveFileDynamicClassLoader.loadClassI
nDependentJarInEAR(ArchiveFileDynamicClassLoader.java:124)

                        at
com.ibm.etools.archive.util.ArchiveFileDynamicClassLoader.loadClassI
nDependentJar(ArchiveFileDynamicClassLoader.java:114)

                            at
com.ibm.etools.archive.util.ArchiveFileDynamicClassLoader.loadClass(
ArchiveFileDynamicClassLoader.java:105)

                                at java.lang.ClassLoader.loadClass(ClassLoader.java(Compiled
Code))

                                    at
com.ibm.etools.java.adapters.jdk.JDKAdaptor.loadFromAlternateClassLo
ader(JDKAdaptor.java:283)

                                        at
com.ibm.etools.java.adapters.jdk.JDKAdaptor.getType(JDKAdaptor.java:
236)

                                            at
com.ibm.etools.java.adapters.jdk.JDKAdaptor.getType(JDKAdaptor.java:
220)

                                                at
com.ibm.etools.java.adapters.jdk.JavaClassJDKAdaptor.getSourceType(J
avaClassJDKAdaptor.java:164)

                                                    at
com.ibm.etools.java.adapters.jdk.JavaClassJDKAdaptor.reflectValues(J
avaClassJDKAdaptor.java:199)
```

```
        at
com.ibm.etools.java.adapters.ReflectionAdaptor.reflectValuesIfNecess
ary(ReflectionAdaptor.java:121)

        at
com.ibm.etools.java.adapters.JavaReflectionAdaptor.reflectValuesIfNe
cessary(JavaReflectionAdaptor.java:251)

        at
com.ibm.etools.java.impl.JavaClassImpl.reflectValues(JavaClassImpl.j
ava:721)

        at
com.ibm.etools.java.impl.JavaClassImpl.getMethods(JavaClassImpl.java
:540)

        at
com.ibm.etools.java.impl.JavaClassImpl.collectMethodsExtended(JavaCl
assImpl.java:264)

        at
com.ibm.etools.java.impl.JavaClassImpl.getMethodsExtended(JavaClassI
mpl.java:548)

        at
com.ibm.etools.java.impl.JavaClassImpl.listMethodExtended(JavaClassI
mpl.java:888)

        at
com.ibm.etools.ejb.impl.EnterpriseBeanImpl.getMethods(EnterpriseBean
Impl.java:526)

        at
com.ibm.etools.ejb.impl.EnterpriseBeanImpl.getLocalHomeMethodsForDep
loyment(EnterpriseBeanImpl.java:510)

        at
com.ibm.ws.management.application.client.util.getMethods(util.java:3
33)

        at
com.ibm.ws.management.application.client.EnsureMethodProtectionFor20
EJBHelper.completeTask(EnsureMethodProtectionFor20EJBHelper.java:384
)

        at
com.ibm.websphere.management.application.client.AppDeploymentControl
ler.close(AppDeploymentController.java:657)

        at
com.ibm.websphere.management.application.client.AppDeploymentControl
ler.saveAndClose(AppDeploymentController.java:679)

        at
com.ibm.ws.scripting.AdminAppClient.saveAndClose(AdminAppClient.java
:3117)

        at
com.ibm.ws.scripting.AdminAppClient.commonPrepare(AdminAppClient.jav
a:1781)

        at
com.ibm.ws.scripting.AdminAppClient.doInstall(AdminAppClient.java:11
72)
```

```
        at
com.ibm.ws.scripting.AdminAppClient.install(AdminAppClient.java:881)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native
Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl
.java:79)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcce
ssorImpl.java:41)
        at java.lang.reflect.Method.invoke(Method.java:386)
        at
tcl.lang.reflect.PkgInvoker.invokeMethod(PkgInvoker.java:125)
        at tcl.lang.JavaInvoke.call(JavaInvoke.java:254)
        at tcl.lang.JavaInvoke.callMethod(JavaInvoke.java:114)
        at tcl.lang.ReflectObject.cmdProc(ReflectObject.java:907)
        at tcl.lang.Parser.evalObjv(Parser.java:810)
        at tcl.lang.Parser.eval2(Parser.java:1209)
        at tcl.lang.Parser.evalTokens(Parser.java:993)
        at tcl.lang.Parser.eval2(Parser.java:1196)
        at tcl.lang.Interp.eval(Interp.java:2042)
        at tcl.lang.Interp.eval(Interp.java:2071)
        at com.ibm.bsf.engines.jacl.JaclEngine.eval(Unknown Source)
        at com.ibm.bsf.util.BSFEngineImpl.exec(Unknown Source)
        at com.ibm.bsf.BSFManager$6.run(Unknown Source)
        at java.security.AccessController.doPrivileged(Native
Method)
        at com.ibm.bsf.BSFManager.exec(Unknown Source)
        at
com.ibm.ws.scripting.AbstractShell.executeScript(AbstractShell.java:
818)
        at
com.ibm.ws.scripting.AbstractShell.run(AbstractShell.java:1529)
        at com.ibm.ws.scripting.WasxShell.main(WasxShell.java:827)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native
Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl
.java:79)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcce
ssorImpl.java:41)
        at java.lang.reflect.Method.invoke(Method.java:386)
```

```
at com.ibm.ws.bootstrap.WSLauncher.main(WSLauncher.java:94)

ADMA5016I: Installation of rib-rcom started.
ADMA5018I: Starting EJBDeploy on ear /tmp/app15907.ear..
Starting workbench.
Creating the project.
Building: /rib-rcomEJB.
Deploying jar rib-rcomEJB
Generating deployment code
Refreshing: /rib-rcomEJB/ejbModule.
Building: /rib-rcomEJB.
Invoking RMIC.
Generating DDL
Writing output file
Shutting down workbench.
EJBDeploy complete.
0 Errors, 0 Warnings, 0 Informational Messages
ADMA5007I: EJBDeploy completed on /tmp/app_ffd0eb31aa/dpl/dpl_rib-
rcom.ear
ADMA5005I: Application rib-rcom configured in WebSphere repository
ADMA5001I: Application binaries saved in
/u03/webaip2/ibm/WebSphere/AppServer/wstemp/Scriptffd0eaeed6/workspa
ce/cells/mspdev3512/applications/rib-rcom.ear/rib-rcom.ear
ADMA5011I: Cleanup of temp dir for app rib-rcom done.
ADMA5013I: Application rib-rcom installed successfully.

Saved installed app
com.ibm.ws.scripting.ScriptingException: WASX7077E: Incomplete
config id: need closing parenthesis in ""
Changing classLoader to PARENT_LAST
Creating RIB_LIB reference
Saved configuration
WASX7017E: Exception received while running file "installrib.jacl";
exception information: javax.management.MBeanException
com.ibm.ws.exception.RuntimeWarning
com.ibm.websphere.csi.CSIXception:
com.ibm.websphere.csi.CSIXception: failed to get home instance;
nested exception is:
    com.ibm.ejs.container.ContainerException: loading bean meta
data failed; nested exception is:
```

```
com.ibm.ejs.jms.listener.MDBException: Creation of MDB
WHToRCOM unable to find ListenerPort 'WHToRCOMPort'
```

Done

```
Using WAS_HOME=/u03/webaip2/ibm/WebSphere/AppServer
Using WAS_INSTANCE_HOME=/u03/webaip2/ibm/WebSphere/AppServer
Using CELL=mspdev3512
Using NODE=mspdev3512
Using HOST_NAME=mspdev35
Using SERVER=server1
Using WAS_SOAP_PORT=19881
Using JMS_HOST=mspdev37
Using JMS_PORT=26053
Using APP_EAR=/u03/webaip2/ribrcml1/rib/ear/rib-rcom.ear
Using JAVA_HOME=/u03/webaip2/ibm/WebSphere/AppServer/java
Using APP_NAME=rib-rcom
### RIBforMDM main.sh
### Running bounce
```

Bouncing server for instance: /u03/webaip2/ibm/WebSphere/AppServer

Stopping server for instance: /u03/webaip2/ibm/WebSphere/AppServer

ADMU0116I: Tool information is being logged in file

/u03/webaip2/ibm/WebSphere/AppServer/logs/server1/stopServer.log

ADMU3100I: Reading configuration for server: server1

ADMU3201I: Server stop request issued. Waiting for stop status.

ADMU4000I: Server server1 stop completed.

Done

Deleting logs in /u03/webaip2/ibm/WebSphere/AppServer/logs/server1/

Done

Starting server for instance: /u03/webaip2/ibm/WebSphere/AppServer

ADMU0116I: Tool information is being logged in file

/u03/webaip2/ibm/WebSphere/AppServer/logs/server1/startServer.log

ADMU3100I: Reading configuration for server: server1

ADMU3200I: Server launched. Waiting for initialization status.

ADMU3000I: Server server1 open for e-business; process id is 2154566

Done

Done