

JBoss ESB 4.2 Milestone Release 3

Release Notes

JBESB-RN-7/19/07



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Software Version

JBoss ESB 4.2 Milestone Release 3

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About This Guide

What This Guide Contains

The Release Notes contains contain important information on changes to JBoss ESB 4.2 Milestone Release 3 since the last release and information on any outstanding issues.

Audience

This guide is most relevant to engineers who are responsible for administering JBoss ESB 4.2 Milestone Release 3 installations.

Prerequisites

None.

Organization

This guide contains the following chapters:

- **Chapter 1, Release Notes:** this chapter contains the release notes.

Documentation Conventions

| Convention | Description |
|----------------------------|---|
| <i>Italic</i> | In paragraph text, italic identifies the titles of documents that are being referenced. When used in conjunction with the Code text described below, italics identify a variable that should be replaced by the user with an actual value. |
| Bold | Emphasizes items of particular importance. |
| Code | Text that represents programming code. |
| Function Function | A path to a function or dialog box within an interface. For example, "Select File Open." indicates that you should select the Open function from the File menu. |
| () and | Parentheses enclose optional items in command syntax. The vertical bar separates syntax items in a list of choices. For example, any of the following three items can be entered in this syntax: <code>persistPolicy (Never OnTimer OnUpdate NoMoreOftenThan)</code> |
| Note: | A note highlights important supplemental information. |
| Caution: | A caution highlights procedures or information that is necessary to avoid damage to equipment, damage to software, loss of data, or invalid test results. |

The following conventions are used in this guide:

Table 1 Formatting Conventions

Additional Documentation

In addition to this guide, the following guides are available in the JBoss ESB 4.2 Milestone Release 3 documentation set:

1. **JBoss ESB 4.2 Milestone Release 3 *Trailblazer Guide*:**
Provides guidance for using the trailblazer example.
2. **JBoss ESB 4.2 Milestone Release 3 *Getting Started Guide*:**
Provides a quick start reference to configuring and using the ESB.
3. **JBoss ESB 4.2 Milestone Release 3 *Programmers Guide*:**
How to use JBossESB.
4. **JBoss ESB 4.2 Milestone Release 3 *Administration Guide*:**
Information on how to manage the ESB.
5. **JBoss ESB 4.2 Milestone Release 3 *Services Guides*:** Various documents related to the services available with the ESB.

Contacting Us

Questions or comments about JBoss ESB 4.2 Milestone Release 3 should be directed to our support team.

Release Notes

Support Matrix

JBossESB has been tested against the following platforms:

- java 1.5.0_09-b03
- Linux FC6 and Windows XP Professional SP2
- ant 1.6.5
- jboss-4.2.0GA
- Smooks 0.9-SNAPSHOT
- Scout-1.0-SNAPSHOT
- juddi trunk as of June 2007
- JBossRules 4.0.0.11754MR2
- JbossWS-native-2.0.0.GA
- vsftpd, Cerberus, PureFTPd and proftpd

The system may work with other versions of the platforms.

Enhancements

This is a Milestone release for the next GA release of JBossESB. As such it contains a number of enhancements:

- JBossESB now supports WS-BPEL and Web Services.
- More of the Message header routing information is now being used; for example ReplyTo and FaultTo.
- The deployment of JBossESB has been simplified through the use of the JBoss Microkernel. This gives greater flexibility and support for services and configuration.

- JBoss Messaging 1.2.0GA is now the default JMS implementation. This has significant performance and reliability benefits over the other supported JMS implementations.
- We now support jBPM integration. Please consult the Programmers Guide for more information.
- A number of other examples have been added to show the individual capabilities within JBossESB more clearly.
- A new configuration editor has been donated to the project.
- We now have support for Groovy within the Action framework.

Fixed Issues

The following issues in the last milestone release have been fixed in the this release:

- [JBESB-70] Create separate Nagios plugin
- [JBESB-199] Message Store Repository bootstrap
- [JBESB-265] Improve download experience with server drop-ins
- [JBESB-266] Improve structure of lib directory
- [JBESB-297] Need for an SQL gateway that does not require altering 'legacy' data in any way
- [JBESB-367] Spring integration example
- [JBESB-422] Basic management console
- [JBESB-425] Easy proxy for EJB3, Spring-POJO, WS
- [JBESB-509] Change source tree structure
- [JBESB-533] FTP bus that is read-only (no rename, post-delete etc)
- [JBESB-544] Management tools
- [JBESB-560] Store the original filename for messages originating on file or FTP gateways
- [JBESB-562] Add additional optional aliases XStreamToObject converter
- [JBESB-592] Spring Integration via an AbstractSpringAction class

- [JBESB-663] Modify filters so they fire on gateways before input data is passed to couriers
- [JBESB-714] Remove duplicate classpath entries and template deprecation warnings.
- [JBESB-293] When performing a base listener mapping, make sure that the bus and provider are also base types.
- [JBESB-479] deploying queues in esb archive does not work in scoped JBM deployments
- [JBESB-519] Update quickstarts to more clearly demonstrate deployToAS vs deployToESB
- [JBESB-540] Trailblazer issues with 4.2.0 CR2
- [JBESB-568] ActionUtils.getTaskObject NullPointerException when message is null
- [JBESB-577] JMS courier can leak sessions
- [JBESB-578] Quickstarts still refer to jboss.home.dir
- [JBESB-579] JmsConnectionPool hardcoded limit
- [JBESB-580] JMS synchronous replies are not correlated with request
- [JBESB-582] Simple_cbr Quickstart: ReceiveJMSMessage doesn't work
- [JBESB-586] JMS courier can leak sessions (part two)
- [JBESB-589] Smooks decoders do not handle superclasses/interfaces of a specified type
- [JBESB-593] Upgrade of Smooks JARs broke jboss-esb-console
- [JBESB-602] ESB Server should be able to deploy .ear files
- [JBESB-605] MessageAwareListener may not shutdown executor
- [JBESB-611] org.jboss.soa.esb.actions.StaticRouter reports a fatal error - but it seems to work
- [JBESB-615] String templating is not deployed into jbossesb-server

- [JBESB-616] Fix quickstart tests
- [JBESB-625] ActionProcessingPipeline checks wrong message for replies
- [JBESB-627] The ActionProcessorMethodInfo does not correctly handle null responses.
- [JBESB-633] jboss-esb-console pages don't load in jboss-4.2.0.GA
- [JBESB-635] Documentation does not include information on running ESB Server and JBossAS on same machine
- [JBESB-636] Fault deserialisation fails
- [JBESB-637] Call RelatesTo serialisation is incorrect
- [JBESB-638] Transient registry errors caused by jUDDI race condition
- [JBESB-648] Service configurations without an ESB Message Aware listener should cause an error on startup/redeploy
- [JBESB-656] JMSCorrelationID pulled from message body when it should be the header
- [JBESB-657] MessageId incorrectly spelled
- [JBESB-660] OverriddenActionProcessor.process(Message) method hides ConfigurationException
- [JBESB-661] The jBPM service does not work in "bootstrapper" mode
- [JBESB-664] 2 Versions of jBPM Action Handler: ESBAction2 and ESBActionHandler
- [JBESB-670] Scoped class loader seems broken
- [JBESB-682] [FilterManager] GatewayFilter error
- [JBESB-686] Rename quickstart webservice_war1
- [JBESB-687] Rename webservice_jbossws_adapter_01
- [JBESB-696] Hibernate Quickstart missing files
- [JBESB-700] Error Message for missing install/deployment.properties during QS build should be friendlier

- [JBESB-702] MR3 Issues with Getting Started Guide
- [JBESB-703] Deploying to tomcat per GettingStarted.pdf doesn't work
- [JBESB-706] dynamic_router quickstart specifies wrong action classes in jboss-esb.xml
- [JBESB-707] bpm_orchestration2 does not build in jbossesb-server
- [JBESB-708] Error running bpm_orchestration1
- [JBESB-711] StandaloneConnectionManager relies on c3p0 library
- [JBESB-712] Use StandaloneConnectionManager for quickstarts
- [JBESB-716] static router quickstart does not trigger routed services
- [JBESB-718] File/FTP/SFTP EPR suffix processing is incorrect
- [JBESB-720] Update helloworld_hibernate_action build.xml
- [JBESB-153] Make all configuration attribute names have consistent format
- [JBESB-286] Fix JMS Listener Manager Integration test
- [JBESB-452] Refactor Notifiers
- [JBESB-500] package rules, jbpm and smooks as services
- [JBESB-523] Migrate CI system over to QA lab
- [JBESB-537] Tidy up junit test. Several test show errors that are logged as intentional.
- [JBESB-563] Improve code coverage
- [JBESB-575] Standardize on a message delivery mechanism...
- [JBESB-583] Investigate the classpath issue re StAX and inclusion of jboss-messaging-client.jar in the classpath
- [JBESB-584] Upgrade JBossESB from Smooks v0.8 to v0.9
- [JBESB-588] Migrate JBossWSAdapter to use JBossWS 2.0.0 codebase.

- [JBESB-604] Remove jbi directory from 4.2 source tree
- [JBESB-607] Check quickstart readme files
- [JBESB-609] Check deployment documentation
- [JBESB-617] Update esb wizard to support new quickstart builds
- [JBESB-618] Add a quickstart overview document (capabilities overview)
- [JBESB-620] Remove scoping restriction for AS + JBoss Messaging deployments of quickstarts
- [JBESB-621] Add spring.esb to AS installation
- [JBESB-622] Add target server version of hibernate to quickstart exec classpath
- [JBESB-624] Check action handlers for correct response processing
- [JBESB-634] Make sure deployment strategies and configuration information is within the shipped documents
- [JBESB-662] Expose class loading failures to caller
- [JBESB-671] Fix broken scoping tests
- [JBESB-690] Change version text in documentation, Edit Release Notes
- [JBESB-713] Deploy deployment.properties-example instead of deployment.properties
- [JBESB-715] Add ftp config assertion to quickstarts
- [JBESB-723] Update install/build.xml script ot handle jaxb intros
- [JBESB-408] Implement an FtpNotifier [JBESB-312] - StandaloneBootStrapper Messages

Known Issues

The following issues are known and within JIRA:

- [JBESB-192] Listener implementations need to perform the payload to Message wrapping, not the AbstractListener

- [JBESB-268] Make the Gateway Controller's creation + initialisation an atomic opp
- [JBESB-270] JMSQueueListener doesn't manage Thread creation for the ActionProcessingPipeline i.e. can be flooded with messages
- [JBESB-590] Smooks processing of detached elements causing warning: Cannot count nodes before XXX has no parent
- [JBESB-619] Catch NPE in header re-assembly
- [JBESB-632] Util was masking errors during serialization/deserialization
- [JBESB-641] ConnectionPools are not closed
- [JBESB-642] JBossRulesRouter does not dispose of WorkingMemory
- [JBESB-647] JAXRRegistryService doesn't unpack "cause" exception after proxied invocation of Registry
- [JBESB-650] Investigate why HTTPS isn't working for the SOAPClient
- [JBESB-692] WARN [BisocketClientInvoker] Message when using bootstrapper
- [JBESB-694] ERROR [ClosedInterceptor] ClosedInterceptor.ClientConsumerDelegate
- [JBESB-699] ConnectionManager interface should not be in internal package
- [JBESB-701] JMS Queue Notifier does not have configured message properties attached
- [JBESB-704] business_rules_service QS does not function properly after redeployment
- [JBESB-705] deadletter quickstart modifications
- [JBESB-709] jbpm CommandInterpreter action fails silently within doTheJob
- [JBESB-710] remoting error messages when running bpm_orchestration2 as standalone

- [JBESB-721] Failure on redeployment of helloworld_hibernate_action