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Software Version

JBoss ESB 4.2 Milestone Release 1

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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 1 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 1 installations.

Prerequisites

None.

Organization

This guide contains the following chapters:

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

Documentation Conventions

The following conventions are used in this guide:
In addition to this guide, the following guides are available in the JBoss ESB 4.2 Milestone Release 1 documentation set:

1. **JBoss ESB 4.2 Milestone Release 1 Trailblazer Guide**: Provides guidance for using the trailblazer example.

2. **JBoss ESB 4.2 Milestone Release 1 Getting Started Guide**: Provides a quick start reference to configuring and using the ESB.

3. **JBoss ESB 4.2 Milestone Release 1 Programmers Guide**: How to use JBossESB.

4. **JBoss ESB 4.2 Milestone Release 1 Administration Guide**: Information on how to manage the ESB.

5. **JBoss ESB 4.2 Milestone Release 1 Services Guides**: Various documents related to the services available with the ESB.

**Contacting Us**

Questions or comments about JBoss ESB 4.2 Milestone Release 1 should be directed to our support team.
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-4.0.5GA-ejb3
- Smooks 0.8-SNAPSHOT
- Scout-v0.7RC3
- juddi trunk as of September 2006
- JBossRules 3.0.4
- vsftpd, Cerberus 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:

- 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 RC have been fixed in the GA:

- [JBESB-382] - XML Marshaling/Unmarshling code uses the namespace prefix for performing namespace checking.

- [JBESB-383] - XML Marshaling/Unmarshling code performs no normalisation on name values used to create XML/DOM element nodes.

- [JBESB-388] - Querying for tModels causes NAMESPACE_ERR, null results and failure

- [JBESB-389] - Transformation Console should support 1024 x 768

- [JBESB-404] - No copyright statements in Quickstart files

- [JBESB-406] - Race condition for threaded managed lifecycles

- [JBESB-407] - In the Admin Console, replace the horrible home made lists with proper lists.

- [JBESB-409] - Embedded (local) Juddi

- [JBESB-441] - Broken link on labs page

- [JBESB-444] - Quick Starts didn't compile on Trunk

- [JBESB-450] - Connection (Thread) leak in NotifyTopics and NotifyQueues

- [JBESB-458] - FileGatewayListener cannot cope with zero length copy file

- [JBESB-460] - Pool/Cache JMS connections

- [JBESB-461] - Close connections to JNDI Context

- [JBESB-466] - Incorrect classloading using Class.forName

- [JBESB-475] - SmooksTransformer can no longer maintain a static ref to a StandaloneSmooks instance

- [JBESB-477] - success and exception properties are no longer picked up for actions

- [JBESB-478] - Redeploying the groovy quickstart loop problem
• [JBESB-480] - FTP temp file down load fails.

• [JBESB-481] - Select for update fails since you can't use BigIntegers in the PreparedStatement

## Known Issues

The following issues are known and within JIRA:

• The current release of JBoss Messaging (1.2.0GA) has a memory leak that causes problems for applications. Although this has been fixed, an official update to JBoss Messaging was not available at the time of the JBossESB release. As such we have shipped with modified messaging jars to fix this problem. We will move to the official jars when they are available. ([http://jira.jboss.com/jira/browse/JBMESSAGING-920](http://jira.jboss.com/jira/browse/JBMESSAGING-920)).

• Gateway listeners cannot be registered under the same name as their ESB-aware counterparts. ([http://jira.jboss.com/jira/browse/JBESB-280](http://jira.jboss.com/jira/browse/JBESB-280)).

• There is an issue with the Registry which means that all service-category names and service names must be unique for registered services.

• Only Postgres and HSQL have been tested with the JDBC listener framework.

• Not all FTP servers or configurations give suitable access for the FTP courier implementation. We are currently looking into how to improve support in this area. The FTP server that ships with Mac OS X is one we do not support.

• When the application server is restarted within a running ESB deployment, you may see the a stack trace from the Connection Monitor Thread ([http://jira.jboss.com/jira/browse/JBESB-312](http://jira.jboss.com/jira/browse/JBESB-312)). This can be ignored. It will be fixed in a subsequent release of JBossESB.

• In some circumstances getTemporaryReplyTo can generate an EPR that will be functionally identical to the original To EPR. If the client and service share the same transport mechanism (e.g., JMS queue) then it's possible that replies to the client may be lost because they get picked up by the service again. This will be fixed in the next release.

• When a config is updated with the server running, it goes into an infinite loop with the following error:

```
org.jboss.soa.esb.couriers.CourierException: No courier defined for pick ups at
org.jboss.internal.soa.esb.couriers.TwoWayCourierImpl.pickup(TwoWayCourierImpl.java:184)
```