

# **JBoss ESB 4.2 Milestone Release 2**

## Release Notes

JBESB-RN-5/8/07



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# About This Guide

## **What This Guide Contains**

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The Release Notes contains contain important information on changes to JBoss ESB 4.2 Milestone Release 2 since the last release and information on any outstanding issues.

## **Audience**

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This guide is most relevant to engineers who are responsible for administering JBoss ESB 4.2 Milestone Release 2 installations.

## **Prerequisites**

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None.

## **Organization**

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This guide contains the following chapters:

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

## **Documentation Conventions**

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The following conventions are used in this guide:

| 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.                                      |
| <b>Bold</b>                | Emphasizes items of particular importance.                                                                                                                                                                                                                                      |
| Code                       | Text that represents programming code.                                                                                                                                                                                                                                          |
| <b>Function   Function</b> | 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                    | <p>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:</p> <pre>persistPolicy (Never   OnTimer   OnUpdate   NoMoreOftenThan)</pre> |
| <b>Note:</b>               | A note highlights important supplemental information.                                                                                                                                                                                                                           |
| <b>Caution:</b>            | A caution highlights procedures or information that is necessary to avoid damage to equipment, damage to software, loss of data, or invalid test results.                                                                                                                       |

Table 1 Formatting Conventions

## Additional Documentation

In addition to this guide, the following guides are available in the JBoss ESB 4.2 Milestone Release 2 documentation set:

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

## Contacting Us

Questions or comments about JBoss ESB 4.2 Milestone Release 2 should be directed to our support team.



# Release Notes

## Support martix

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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

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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

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The following issues in the RC have been fixed in the GA:

- [[JBESB-382](#)] - XML Marshaling/Unmarshaling code uses the namespace prefix for performing namespace checking.
- [[JBESB-383](#)] - XML Marshaling/Unmarshaling 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](#)] - Embeddded (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

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The following issues are known and within JIRA:

- There is a race condition in JBossAS 4.0.5 when load testing with JBoss Messaging (<http://jira.jboss.com/jira/browse/JBESB-527>). Stack traces like those below are indicative of this behaviour:  

```

13:05:04,379 ERROR [JmsGatewayListener] Courier
<org.jboss.internal.soa.esb.couriers.TwoWayCourierImpl.deliverAsync(Message
) FAILED
org.jboss.soa.esb.couriers.CourierException: java.lang.NullPointerException
    at
org.jboss.internal.soa.esb.couriers.JmsCourier.deliver(JmsCourier.java:147)
    at
org.jboss.internal.soa.esb.couriers.TwoWayCourierImpl.deliver(TwoWayCouri
erImpl.java:158)
    at
org.jboss.soa.esb.listeners.gateway.JmsGatewayListener.doRun(JmsGatewayLi
stener.java:163)
    at
org.jboss.soa.esb.listeners.lifecycle.AbstractThreadedManagedLifecycle.run(A
bstractThreadedManagedLifecycle.java:115)
    at java.lang.Thread.run(Thread.java:613)
Caused by: java.lang.NullPointerException
    at org.jnp.interfaces.NamingContext.lookup(NamingContext.java:625)
    at org.jnp.interfaces.NamingContext.lookup(NamingContext.java:587)
    at javax.naming.InitialContext.lookup(InitialContext.java:351)
    at
org.jboss.internal.soa.esb.couriers.JmsCourier.createMessageProducer(JmsCou
rier.java:251)

```

at  
org.jboss.internal.soa.esb.couriers.JmsCourier.deliver(JmsCourier.java:143)  
... 4 more

- Gateway listeners cannot be registered under the same name as their ESB-aware counterparts. (<http://jira.jboss.com/jira/browse/JBESB-280>).
- 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 a config is updated with the server running, it goes into an infinite loop with the following error:

```
18:32:43,465 ERROR [MessageAwareListener] Courier Exception  
org.jboss.soa.esb.couriers.CourierException: No courier defined for pick  
ups at  
org.jboss.internal.soa.esb.couriers.TwoWayCourierImpl.pickup(TwoWayC  
ourierImpl.java:184)
```