

# **JBossESB 4.3 GA**

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## WS-BPEL Guide

JBESB-BPEL-5/20/08



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# About This Guide

## What This Guide Contains

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The WS-BPEL Guide document contains descriptions on the principles behind Service Oriented Architecture and Enterprise Service Bus, as well as how they relate to JBossESB.

## Audience

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This guide is most relevant to engineers who are responsible for using JBossESB 4.3 GA installations and want to know how it relates to SOA and ESB principles.

## Prerequisites

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None.

## Organization

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This guide contains the following chapters:

- **Chapter 1, Orchestration:** A discussion of how jBPM and WS-BPEL can be used to orchestrate services within JBossESB.

## 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.
<i>Code</i>	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><i>persistPolicy (Never   OnTimer   OnUpdate   NoMoreOftenThan)</i></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

Table 1 Formatting Conventions

### Additional Documentation

In addition to this guide, the following guides are available in the JBossESB 4.3 GA documentation set:

1. **JBossESB 4.3 GA Trailblazer Guide:** Provides guidance for using the trailblazer example.
2. **JBossESB 4.3 GA Programmer's Guide:** Provides guidance for developing applications using JBossESB.
3. **JBossESB 4.3 GA Getting Started Guide:** Provides a quick start reference to configuring and using the ESB.
4. **JBossESB 4.3 GA Administration Guide:** How to manage JBossESB.
5. **JBossESB 4.3 GA Release Notes:** Information on the differences between this release and previous releases.
6. **JBossESB 4.3 GA Services Guides:** Various documents related to the services available with the ESB.

## **Contacting Us**

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Questions or comments about JBossESB 4.3 GA should be directed to our support team.





# Orchestrating Web Services

## Introduction

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JBossESB provides WS-BPEL support via its Web Service components. For details on these components and how to configure and use them, see the Message Action Guide.

JBoss and JBossESB also have a special support agreement with [ActiveEndpoints](#) for their award winning [ActiveBPEL](#) WS-BPEL Engine. In support of this, JBossESB ships with a Quickstart dedicated to demonstrating how JBossESB and [ActiveBPEL](#) can collaborate effectively to provide a WS-BPEL based orchestration layer on top of a set of Services that don't expose Webservice Interfaces (the “webservice\_bpel” Quickstart). JBossESB provides the Webservice Integration and [ActiveBPEL](#) provides the Process Orchestration. A number of flash based walk-thrus of this Quickstart are also [available online](#).

Note: ActiveEndpoints WS-BPEL engine does not run on versions of JBossAS since 4.0.5. However, it can be deployed and run successfully on Tomcat as our examples illustrate.