JBossESB 4.3 GA

Web Services Guide

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JBossESB 4.3 GA

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About This Guide

What This Guide Contains

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

Audience

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

None.

Organization

This guide contains the following chapters:

- **Chapter 1, Web Services:** A description of how JBossWS services can be interfaced with JBossESB.

Documentation Conventions

The following conventions are used in this guide:

Convention	Description
Italic	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: `persistPolicy (Never | OnTimer | OnUpdate | NoMoreOftenThan)`
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.

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

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

Web Services Support

JBossWS

JBossESB has a number of Webservice based components for exposing and invoking Webservice endpoints (i.e. SOAP onto the bus and SOAP off the bus) :

1. **SOAPProcessor**: The SOAPProcessor action allows you to expose JBossWS 2.x and higher Webservice Endpoints through endpoints (listeners) running on the ESB ("SOAP onto the bus"). This allows you to use JBossESB to expose Webservice Endpoints (wrapper Webservices) for services that don't expose a Webservice Interface. JBossWS Webservice Endpoints exposed via this JBossESB action are "ESB Message Aware" and can be used to invoke Webservice Endpoints over any transport channel supported by the ESB.

2. **SOAPClient**: The SOAPClient action allows you to make invocations on Webservice endpoints ("SOAP off the bus").

For more details on these components and how to configure and use them, see the Message Action Guide.

You can also find more information within the wiki pages shipped with the JBossESB documentation.