Progress FUSE

Using the Library

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PROGRESS SOFTWARE

Using the Library

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Document Conventions

Typographical conventions This book uses the following typographical conventions:

Table 1.1. Typographical Conventions

`fixed width`	Fixed width (Courier font) in normal text represents portions of code and literal names of items such as classes, functions, variables, and data structures. For example, text might refer to the `javax.xml.ws.Endpoint` class. Constant width paragraphs represent code examples or information a system displays on the screen. For example: `import java.util.logging.Logger;`
`Fixed width italic`	Fixed width italic words or characters in code and commands represent variable values you must supply, such as arguments to commands or path names for your particular system. For example: `% cd /users/`*`YourUserName`*
Italic	Italic words in normal text represent *emphasis* and introduce *new terms*.
Bold	Bold words in normal text represent graphical user interface components such as menu commands and dialog boxes. For example: the **User Preferences** dialog.

Keying conventions This book uses the following keying conventions:

Table 1.2. Keying Conventions

No prompt	When a command's format is the same for multiple platforms, the command prompt is not shown.
%	A percent sign represents the UNIX command shell prompt for a command that does not require root privileges.
#	A number sign represents the UNIX command shell prompt for a command that requires root privileges.
>	The notation > represents the MS-DOS or Windows command prompt.
. . .	Horizontal or vertical ellipses in format and syntax descriptions indicate that material has been eliminated to simplify a discussion.
[ ]	Brackets enclose optional items in format and syntax descriptions.

{ }	Braces enclose a list from which you must choose an item in format and syntax descriptions.
|	In format and syntax descriptions, a vertical bar separates items in a list of choices enclosed in { } (braces).

Admonition conventions

This book uses the following conventions for admonitions:

Table 1.3. Admonitions

	Notes display information that may be useful, but not critical.
	Tips provide hints about completing a task or using a tool. They may also provide information about workarounds to possible problems.
	Important notes display information that is critical to the task at hand.
	Cautions display information about likely errors that can be encountered. These errors are unlikely to cause damage to your data or your systems.
	Warnings display information about errors that may cause damage to your systems. Possible damage from these errors include system failures and loss of data.

Searching the Library

Overview

There are two ways you can search the FUSE Message Broker library:

- the FUSE source search field
- Google

FUSE source search

The FUSE source web site has an integrated search feature that will return hits from the entire Web site. Using it may return a number of non-documentation hits.

The FUSE source site search is accessed using the **Search** box that appears in the header of the main documentation site.

Google search

Use Google directly and narrow the search scope using `site:fusesource.com/docs/broker`.

This method will limit the search to the FUSE Message Broker documentation. You can limit the scope further by adding a version number to the `site:` string.

For example to search the documentation for references to polling the file system you could enter **`site:fusesource.com/docs/broker/5.1/ JMS`** into the Google search field. Only results from the FUSE Message Broker version 5.1 library will be returned.

Required Reading

Overview

The books in this library assumes that the reader is familiar with a number of key technologies including:

- Apache Maven
- The Spring Framework
- Ant

Apache Maven

Apache Maven is a plug-in based build system. The FUSE products have extensive Maven tooling to that assists in developing solutions. It is used extensively throughout the documentation.

To get more information on using Maven see the following:

- *Maven: The Definitive Guide*[1]
- *Developing with Eclipse and Maven*[2]
- The Maven Website[3]

The Spring Framework

The Spring Framework is an open source Java platform that aims to simplify developing complex Java applications. The FUSE products use the Spring Framework for several purposes.

For more information see the Spring Framework Reference[4].

Ant

Apache Ant is a popular Java build tool. It is used to build a number of the samples provided with the FUSE products. The FUSE products also include Ant-based development tools.

For more information about using Ant see the *Apache Ant User Manual*[5].

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[1] http://www.sonatype.com/products/maven/documentation/book-defguide
[2] http://www.sonatype.com/books/m2eclipse-book/reference
[3] http://maven.apache.org/index.html
[4] http://static.springframework.org/spring/docs/2.0.x/reference/
[5] http://ant.apache.org/manual/index.html

Open Source Project Resources

Apache CXF	**Web site:** http://cxf.apache.org/ **User's list:** <users@cxf.apache.org>
Apache Tomcat	**Web site:** http://tomcat.apache.org/ **User's list:** <users@tomcat.apache.org>
Apache ActiveMQ	**Web site:** http://activemq.apache.org/ **User's list:** <users@activemq.apache.org>
Apache Camel	**Web site:** http://camel.apache.org **User's list:** <users@camel.apache.org>
Apache ServiceMix	**Web site:** http://servicemix.apache.org **User's list:** <users@servicemix.apache.org>

Chapter 2. The FUSE Message Broker Library

Overview

FUSE ESB offers different approaches for implementing and packaging applications that are deployed using it. To accommodate developers using these different approaches the documentation library is organized into the following parts:

- Getting Started
- Installation
- Books on configuring the broker

Getting started

The following books are intended to help new users become familiar with FUSE Message Broker.

- Getting Started with the FUSE Product Family[1] provides an overview of the entire FUSE product family and explains how FUSE Message Broker fits into the picture.
- The Logisticx Tutorial Guide[2] contains tutorials that show how FUSE Message Broker can be used in conjunction with the other FUSE products to solve complex problems.
- The Glossary[3] provides definitions for commonly used terms relating to Web services and using FUSE Message Broker.
- *Getting Started* provides a good overview of the central concepts need to use FUSE Message Broker.

[1] http://fusesource.com/docs/getting_started/index.html
[2] http://fusesource.com/docs/logistix/index.html
[3] http://fusesource.com/docs/glossary/index.html

- *Exploring JMS* provides an overview of JMS and using FUSE Message Broker.

Installation

The following books discuss how to install FUSE Message Broker and migrate from earlier versions:

- Release Notes[4]
- *Installation Guide* discusses the requirements and procedures for installing FUSE Message Broker.

Configuring and running the broker

The following books discuss using the broker:

- *Connectivity Guide* describes the protocols that can be used to connect to the broker.
- *Using Persistent Messages* describes how to configure the message stores the broker uses for persistent messaging.
- *Security Guide* describes the broker's security features.

[4] http://fusesource.com/wiki/display/ProdInfo/FUSE+Message+Broker+v5.3+Release+Notes