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FUSE ESB

Using the FUSE ESB Library

Version 3.3
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Making Software Work Together™

Using the FUSE ESB Library

IONA Technologies

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Document Conventions

Typographical conventions

This book uses the following typographical conventions:

<i>fixed width</i>	<p>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 <code>javax.xml.ws.Endpoint</code> class.</p> <p>Constant width paragraphs represent code examples or information a system displays on the screen. For example:</p> <pre>import java.util.logging.Logger;</pre>
<i>Fixed width italic</i>	<p>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:</p> <pre>% cd /users/YourUserName</pre>
<i>Italic</i>	Italic words in normal text represent <i>emphasis</i> and introduce <i>new terms</i> .
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:

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:

	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.

The FUSE ESB Library

The FUSE ESB documentation library consists of the following books:

- [Installing FUSE ESB](#) discusses the requirements and procedures for installing FUSE ESB
- [Getting Started with FUSE ESB](#) provides a good overview of the central concepts need to use FUSE ESB. It also provides a simple example of deploying a service using FUSE ESB.
- [Configuring and Running FUSE ESB](#) describes how to deploy and configure FUSE ESB so that you can deploy functionality to it.
- [Using the JMS Binding Component](#) describes how to use the FUSE ESB's JMS component.
- [Using the FUSE Services Framework Binding Component](#) describes how to use the FUSE Services Framework binding component to expose SOAP endpoints from the FUSE ESB container.
- [Using the FUSE Services Framework Service Engine](#) describes how to develop services using POJOs and deploy them into the FUSE ESB container.
- [Using the File Binding Component](#) describes how to use the FUSE ESB's file binding component. The file binding component allows services running in the ESB to read and write to a file system.

In addition to the above books, you may also want to read the documentation for each of the components that FUSE ESB bundles. This documentation is available from the projects responsible for developing the component.

Open Source Project Resources

Apache CXF

Web site: <http://cxf.apache.org/>

User's list: <user@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://activemq.apache.org/camel/enterprise-integration-patterns.html>

User's list: <camel-user@activemq.apache.org>

Apache ServiceMix

Web site: <http://servicemix.apache.org>

User's list: <users@servicemix.apache.org>

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Reading Paths

Overview

The FUSE ESB library is straightforward to navigate. There are a few introductory and general use books. The rest of the library focuses on using specific JBI components.

The basics

Most FUSE ESB users will want to read the following books:

1. [Getting Started with FUSE ESB](#) provides a good overview of the product and the concepts behind it.
 2. [Installing FUSE ESB](#) walks you through installing the product.
 3. [Configuring and Running FUSE ESB](#) details how to get the FUSE ESB container up and running. It also provides information on how to deploy components to the container.
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Using the component guides

Each component provided with FUSE ESB has its own guide. These guides discuss how to deploy functionality into the specific component. They also provide information about developing functionality using the technology behind the component.

Other resources

For doing advanced development with the FUSE Services Framework components you may want to read the guides in the [FUSE Services Framework library](#) [<http://open.iona.com/documentation/fuse-service-framework-documentation>].

For doing advanced development with the FUSE Mediation Router component you may want to read the guides in the [FUSE Mediation Router library](#) [<http://open.iona.com/documentation/fuse-mediation-router-documentation>].

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