

Getting Started Guide

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The FINS software provides an implementation of the WS-Eventing specification. This specification -- developed jointly by Microsoft, BEA, IBM and Sun -- can be found at <http://www-128.ibm.com/developerworks/webservices/library/specification/ws-eventing/>. The purpose of this document is to provide the user an entry point for the navigating the software. Specifically this document outlines the various documents available within this release, with a brief description of the contents of these documents. With this information in hand a user may decide the best course of action to achieve his/her desired goal.

Our description of the documentation is organized based on the directory structure of the documentation.

1. GettingStarted:

This is the directory in which THIS document resides. In addition to this, there are two other documents here.

1.1 FINS-ReadMe

This document provides information regarding the developers, the history, standards adopted and the list of jar files. This document also outlines the OPEN SOURCE LICENSE that governs the software.

1.2 FINS-Software Prerequisites for OMII

This document outlines the pre-requisites for utilizing this software.

2. Architecture:

2.1 FINS-Conceptual Overview

This document provides a conceptual overview of the software. We encourage users who are interested in the over-arching principles governing the implementation of the WS-Eventing specification to read this document.

2.2 FINS-FunctionalSpecification

The document provides an in-depth view into the software. Here, we have included backgrounders on notification and WS-Eventing. Also included is a brief comparison with a competing specification -- WS-Notification. Here we note that we are also in the process of implementing the WS-Notification suite of specifications. A description of the use cases and benchmarks of several important aspects of the software have also been provided here. The benchmarks provide the user with a feel for the costs (in terms of latencies and memory utilizations) associated with certain operations within the software.

Functional design considerations related to various aspects — such as assumptions, prerequisites, deployment scale, and error handling among others — have also been described. Finally, the document also provides documentation related to individual methods for several classes within the software.

2.3 FINS-Deployment Problems in Axis

The OMII container leverages the Apache Axis Web Service Container. This document enumerates the problems that exist within Axis and how we coped with these problems. We expect that this document would be useful for developers who plan to implement support for Web Service specifications.

3. Installation

This directory contains files related to the installation and deployment of the software. Our software has been tested with version 1.2 of the OMII Container and when we say container this is the version that we refer to.

3.1 FINS-UserGuide

This document outlines how users can leverage the software to build their own applications. The document also describes how to develop WS-Eventing source and sink applications. By using this guide developers can start building their own applications.

3.2 FINS-Explanation of build.xml

This document provides details regarding the various ANT commands that users can use to access functionality available within the software.

3.3 FINS-Explanation of build_client.xml

This document provides details about the commands and operations that are accessible within the build_client.xml.

3.4 FINS-Explanation of build_server.xml

This document provides details about the commands and operations that are accessible within the build_server.xml.

3.5 FINS-Deployment of WSE within OMII

This document outlines instructions related to the deployment of the FINS software within the OMII Container.

3.6 FINS-Running WSE within OMII

This document outlines instructions related to running the sample example within the OMII Container.

3.7 FINS-Running WSE using SOAPMonitor

This document outlines instructions related to running the software within the OMII Container in tandem with the SOAP Monitor application.

3.8 FINS-Deploying and Running WSE Services on Different Machines within OMII

This document outlines how one can run the WSE Services on different machines, all of which are deployed within the OMII Container.

3.9 FINS-Running WSE within FilterPipeline

This document outlines the steps involved in running the sample example within the prototype Filter Pipeline environment that is available as part of this release.

4. Summary

4.1 FINS-Summary

This document provides a summary of the FINS software.

5. Support

5.1 API

In this directory an API of the software is available for the user's perusal. This API was generated using the javadoc tool.

5.2 FINS-Promotional

This contains an abbreviated snapshot of the software's capabilities. This PowerPoint file is suitable for disseminations within the targeted user community.

6. Testing

6.1 FINS-Running JUnit Tests

We have leveraged JUnit to test several of our core classes. This document describes how these tests can run.