

Read-Me

Community Grids Lab, Indiana University

1. Information

Software developed at the Community Grids Lab, Indiana University

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<http://www.communitygrids.iu.edu/> : Community Grids Lab

<http://www.naradabrokering.org> : The NaradaBrokering project

2. Software Product name

This is a distribution of the FINS project sponsored by the OMII. The present release is version 1.0 of the software. The FINS project is an ongoing project which aims at providing open source distributions of the WS-Eventing and WS-Notification specifications. As part of the first deliverable, this software contains an implementation of WS-Eventing. Subsequent releases of this software will also incorporate an implementation of the WS-Notification suite of specifications.

3. Description of the Software

The FINS implementation provides Grid and Web Service applications with the ability to issue notifications to each other based on the implementation of the WS-Eventing specification. Nodes can register their interests with the services in a variety of subscription formats.

4. Product History

This is the first release of the FINS software to the open-source community.

5. Platform Support

The software has been written in Java. This allows the software to run on any system that has a Java virtual machine. The source code base has been compiled with both jdk-1.4 and jdk-1.5 (it does not make use of the new reserved keywords that are part of 1.5).

6. Standards Adopted

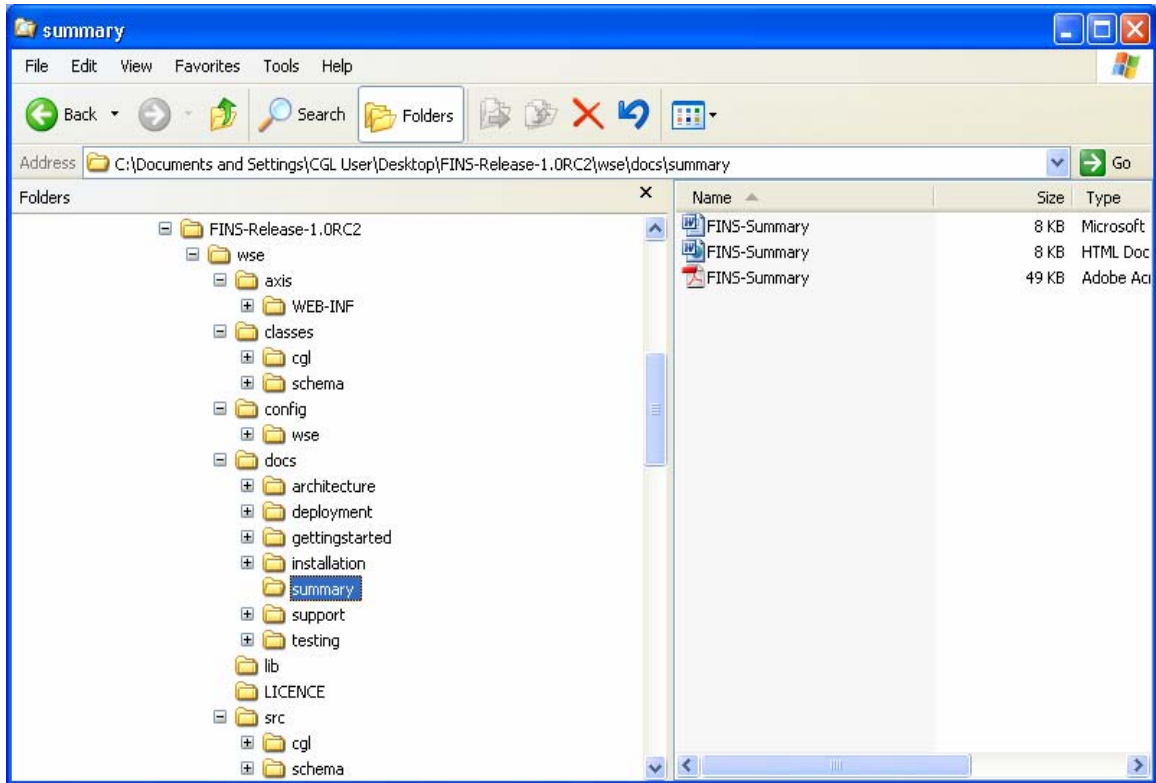
FINS provides an implementation of the WS-Eventing specification that was released in August 2004. This specification developed jointly by Microsoft, BEA, IBM and Sun can be found at <http://www-128.ibm.com/developerworks/webservices/library/specification/ws-eventing/>
 WS-Eventing: <http://schemas.xmlsoap.org/ws/2004/08/eventing>
 SOAP: <http://schemas.xmlsoap.org/soap/envelope/>
 WS-Addressing: <http://schemas.xmlsoap.org/ws/2004/08/addressing>

7. List of Jar files

Here we include the list of JAR file. NOTE THAT THESE JAR FILES ARE ALREADY AVAILABLE WITHIN THE DISTRIBUTION. SO THERE IS NO NEED TO TRY TO DOWNLOAD THEM.

- • xmlbean.jar and xbean_xpath-2.0.0-beta1.jar can be downloaded from the Apache XMLBeans Website at <http://xmlbeans.apache.org/>
- • commons-discovery.jar, commons-logging.jar and log4j-1.2.8.jar can be downloaded from the Apache Log4j Website at <http://logging.apache.org/log4j/docs/index.html>
- • axis.jar, jaxrpc-api.jar, and saaj.jar are distributed as part of Apache Axis' distribution. The Website for the Apache Axis project is <http://ws.apache.org/axis/>
- • jaxrpc-impl.jar is part of Sun's JWS DP distribution available at <http://java.sun.com/webservices/>
- • xercesImpl.jar is part of Apache's Xerces Parser. This is available at <http://xml.apache.org/xerces-j/>
- • saxon8.2.jar, saxon8.2-jdom.jar, saxon8.2-sql.jar and saxon8.2-xom.jar correspond to jars that are part of version 8 of the saxon XPath/XQuery parser. The version that is compatible with XmlBeans is the version 8.2 of this software which is available from <http://saxon.sourceforge.net/>
- • dom.jar and jaxp-api.jar. Related to the Java API for XML Processing. Saxon needs JAXP 1.3. This can be obtained from <https://jaxp.dev.java.net/>
- • jsr173_api.jar JSR 173 introduces new Streaming APIs for XML (StAX) which is a Java based API for pull-parsing XML. This is also part of Sun's JWS DP release.
- • NaradaBrokering.jar is part of the NaradaBrokering distribution and is available at <http://www.naradabrokering.org> .
- • jug-uuid.jar corresponds to the implementation of the UUID generation algorithm. This is available through the project website at <http://www.doomdark.org/doomdark/proj/jug/>

8. Folder Structure



9. Known Issues

There are some specific instructions related to the deployment of these specifications within the Axis infrastructure. Some of the general problems with Axis (up until 1.2 RC3) while deploying WS specifications have been summarized in a companion document in the docs directory of this distribution.

10. Licensing and IPR

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