

Read-Me

Community Grids Lab, Indiana University

1. Information

Software developed at the Community Grids Lab, Indiana University

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2. Software Product name

This is a distribution of the FIRMS project sponsored by the OMII. The present release is version 1.0.0 of the software. The FIRMS provides open source implementations of the WS-Reliable Messaging (hereafter WSRM) and WS-Reliability (hereafter WSR) specifications.

3. Description of the Software

The FIRMS implementation will provide Grid and Web Service applications with ability to interact reliably with each other based on the implementation of the WSRM and the WSR specification.

4. Product History

This is the first release of the FIRMS 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

FIRMS provide an implementation of the WSRM specification that was released in March 2004 and WS-Reliability specification that was released in August 2004. The WSRM protocol developed jointly by IBM, Microsoft and BEA can be found at

<ftp://www6.software.ibm.com/software/developer/library/ws-reliablemessaging200403.pdf>

We now list the specifications/schemas leveraged by the FIRMS WSRM implementation.

WS-RM: <http://schemas.xmlsoap.org/ws/2004/03/rm>

SOAP: <http://schemas.xmlsoap.org/soap/envelope/>

WS-Addressing: <http://schemas.xmlsoap.org/ws/2004/08/addressing>

WS-Policy: <http://schemas.xmlsoap.org/ws/2004/09/policy>

XML utilities: <http://schemas.xmlsoap.org/ws/2002/07/utility>

The WS-Reliability protocol can be found at
<http://docs.oasis-open.org/wsrn/2004/06/WS-Reliability-CD1.086.pdf>

We now list the specifications/schemas leveraged by the WS-Reliability implementation.

WS-Reliability: <http://docs.oasis-open.org/wsrn/2004/06/ws-reliability-1.1.xsd>

SOAP: <http://schemas.xmlsoap.org/soap/envelope/>

WS-Addressing: <http://schemas.xmlsoap.org/ws/2004/08/addressing>

7. 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.

8. Licensing and IPR

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