ReportForJan2010

Web Services PMC Report for January, 2010

Notable Happenings

As of the December board meeting, all the Axis-related and Axis2-related subprojects will be moved to the new "Axis" TLP. This will therefore be the final report dealing with these projects in this context.

Code Releases [since the last report]

- Axis2 1.5.1 was released on October 23rd

Subproject News

No news below means nothing particularly notable for the board occurred this quarter.

Apache Axis2

Apache Axis2 is the third generation Web service framework of the Apache Web service stack. A highly extensible message processing engine focused on SOAP messages, it includes plugins for services, transports, MessageReceivers, and Modules (message interceptors).

Kandula

Apache Kandula is an implementation of Web Services Coordination, Atomic Transaction and Business Activity protocols. The project provides implementations for both Apache Axis (kandula-1 branch) and Apache Axis2 (kandula-2 branch) platforms.

Apache Axis

Apache Axis is a web services framework implementing the W3C SOAP standard.

Apache Woden

Woden is an open source Java implementation of the W3C WSDL 2.0 specification. Recently Woden source repository was restructured to follow Maven conventions. One of the significant feature, Woden serialization was completed during last few months. Woden team decided to support WSDL 2.0 Component level equals method and it has been already implemented now. Also Woden provides new logging strategy based on Commons-logging API.

Further Woden provides two new utilities as Woden Converter Maven plug-in and Woden Converter Ant Task to convert WSDL 1.1 documents in to WSDL 2.0 documents , Woden Converter Ant Task was contributed by a new contributor Dilshan Edirisuriya. There was a session about Woden and it's recent improvements by Sagara Gunathunga in the Apache Asia 2009 conference was held in Colombo Sri Lanka. Woden team plan to release M9 version very soon.

JaxMe2

JaxMe 2 is an open source implementation of JAXB, the specification for Java/XML binding.

Apache Scout

Apache Scout is an implementation of the JSR 93 (JAXR), which is a java API to XML registries such as jUDDI. Scout-1.2 was released supporting the UDDIv2 and UDDIv3 specifications. It must be noted that only a subset of the UDDIv3 features was implementation because of limitiations in the JAXR v1 specification.

Apache jUDDI

jUDDI (pronounced "Judy") is an open source Java implementation of the Universal Description, Discovery, and Integration (UDDI) specification for Web Services. jUDDI released jUDDI v3.0, which implements the UDDI v3 spec. jUDDI is completeley rearchitected and uses the JAXB, JAX-WS and JPA Standards. The projects started shipping a portlet based console, to administer and browse the repository.

Apache Rampart

Rampart provides the WS-Security and WS-SecureConversation support for Apache Axis2 using Apache WSS4J as the base. The configuration model uses the WS-Policy framework and supports WS-SecurityPolicy specification. The "Rahas" module in Rampart implements the WS-Trust specification with a security token service implementation and a client API to carry out token exchanges with the security token service.

Apache Rampart/C

Apache Rampart/C is the security module for Apache Axis2/C. It's an effort to implement WS-Security Specification 1.0. Rampart/C also comes with an XML-Crypto library known as OMXMLSecurity. In addition Apache Rampart/C configurations are based on security policy assertions as per WS-Security Policy specification 1.1

Apache Sandesha2

Sandesha2 is an implementation of WS-ReliableMessaging specifications for Apache Axis2. By using Sandesha2 you can add reliable messaging capability to the Web services you have hosted in Axis2. You can also use Sandesha2 with Axis2 client to interact with already hosted web services in a reliable manner.

Apache Sandesha2/C

Sandesha2/C is a C implementation of WS-ReliableMessaging specifications(both 1.0 and 1.1) for Apache Axis2/C projects. Sandesha2/C is inter operable with Axis2/Java implementation and .net implementations.

Apache Savan

Savan is a Publisher/Subscriber implementation for Apache Axis2.

Apache Savan/C

Savan/C is a Publisher/Subscriber implementation for Apache Axis2/C projects written in C Language.

Apache Axis2/C

Apache Axis2/C is an effort to implement Axis2 architecture in C. Apache Axis2/C can be used to provide and consume Web Services.

Apache WSIF

Apache Web Services Invocation Framework (WSIF) is a simple Java API for invoking Web services, no matter how or where the services are provided as long as it is described in WSDL.

Apache WS-Commons

Apache WS-Commons is a collection of projects that are primarily used as parts of various WS projects but useful even outside the WS space. WS-Commons houses Apache Axiom - the streaming XML object model, Apache XmlSchema - an object model to manipulate XML schema documents, Apache Neethi - the WS-Policy implementation and various other smaller projects such as tcpmon.

Apache Muse

Apache Muse is a Java implementation of WS-ResourceFramework, WS-Notification, and WS-DistributedManagement. It provides code generation tools and APIs that aid users in creating standards-compliant interfaces for manageable resources. Muse-based interfaces can be deployed in a J2EE or OSGi environment.

Apache XML-RPC

Apache XML-RPC is a Java implementation of XML-RPC, a popular protocol that uses XML over HTTP to implement remote procedure calls.