



Apache Con North America

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What is new in upcoming Axis2 1.7.0

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What is new in upcoming Axis2 1.7.0

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WSO2 Inc

What is Axis2 ?

SOAP 1.2

WSDL 1.1

SAOP 1.1

WSDL 2.0

REST

XML

HTTP/S

JSON

POJO

Spring

EJB

JAX-WS

Mail

JAXB

CORBA

JMS

XMLBean

TCP

Local

AXIOM

JIBX

SMS

Current status

- 3 parallel development branches.
 - Trunk, 1.6, 1.5
- 4 Axis2 core releases during this year
 - 1.5.5 , 1.5.6, 1.6.0, 1.6.1
- Can expect 1.7.0 major release early 2012.
 - 88 issues fixed and still counting ...
 - New improvements.....
- Lot of new people contributing , users raise issues and contributing patches.

Java Map support

Java.util.Map support for standard and POJO deployments.

- Messages on wire similar to JAXB way of Map handling.
- Generate Complex Schema types for Maps based on Generics.
- Support for exact implementation types.

e.g -

- Map<String,int> , Map<String,Map<String,String>
- Map<String,List<String>> , Map<Object,Object>
- Map

Array & List enhancement

- Now provides 1st class support for java.util.List.
- Support for exact implementation types.
- Same schema used for both Array and List.
- Send any XSD type or supports ComplexType using xsi:type attribute.

E.g -

- List<String>
- List<List<String>>
- List

New Features

1st class support for Java Enums.

New Features

- Improved Eclipse plug-ins
- P2 repository for Eclipse plug-ins.

JAX-WS Tools


Now JAX-WS 2.2 artifact processing is supported by Axis2 tools.

- Use “-jws” switch to indicate JAX-WS processing.
- WSDL2JAVA can generate portable Java (Annotated) artifacts.
- JAVA2WSDL tool can process Java annotation and generate meta data.

New Features

New BeanInfo cache model provides great performance improvement.

Statistics from a user.

▼  Jason Tholstrup added a comment - 25/Oct/11 19:21 - edited



Hi all,

I just recent ran into this issue when upgrading from axis 1.3. I saw a huge performance hit when we upgraded. I patched a 1.6.0 version of axis with the fix listed here and it improved our performance greatly. (As a side note it merged in quite cleanly.) I think the difference in performance warrants putting it into a 1.6.2 release instead of waiting for 1.7. We are currently running on this patched jar but would love to get back to an official release. Any thoughts on merging this into the 1.6 branch?

Below are my times with various axis implementations on the same call with a 700KB payload. (about 1000 objects) As you can see the unpatched 1.6 version is a big step backwards.

Axis version	min time	max time	avg time (in ms)
Axis 1.3	1416	2975	2591
Axis 1.4	1500	3228	2690
Axis 1.6	5574	12160	7741
Axis 1.6 PATCHED	641	2231	1557



Support for HTTPClient 4.x

- Support for HTTPClient 3.x remains as it is.
- User can decide what they want.
- This will provides 1st class support for NTLMv1, NTLMv2 and SPNEGO/Kerberos.

Tool support

New Maven archetypes for quick start samples.

- AAR service and client.
- Web application (WAR) based service.
- JAX-WS services

AXIOM improvements

- MIME4J based MIME parsing.
- Clean and simplified API for AXIOM and DOOM.
- Redesign of OSGI module.

How to contribute

- Home page
 - <http://axis.apache.org/axis2/java/core/>
- Issues
 - <https://issues.apache.org/jira/browse/AXIS2>
- Mailing list
 - <http://axis.apache.org/axis2/java/core/mail-lists.html>

Axis2 Meetup

ApacheCon NA 2011

DATE : Today

TIME : 8.00 PM

VENUE : Bayshore Grand Ballroom (Salon – E)

<http://wiki.apache.org/axis/Axis2Meetup2011>

Thank You !