GT4 Component Fact Sheet

Java WS Core

Last updated: 19 July 2004

General Component Description

This component contains the Java implementation of the Web Services Resource Framework (WSRF) and the Web Service Notification (WSN) family of standards. The Java WS Core component also includes tools for building stateful Web services, a set of supporting services and sample code.

What's New in GT4?

This WSRF-based implementation of Java WS Core replaces the OGSI-based implementation distributed in GT3 and includes:

- An Apache Axis-based implementation of the following specifications
  - WS-ResourceLifetime
  - WS-ResourceProperties
  - WS-BaseFaults
  - WS-ServiceGroup
  - WS-BaseNotification
  - WS-Topics
- A framework for managing the persistence of resources
- A standalone container (may be embedded)
- Tomcat integration

Backward Compatibility Statement

This component will not be backwards compatible with the WS Core components in GT3

Technology Dependencies

- Apache Axis
- Apache WSFX (WS-Addressing)
- Apache Tomcat JNDI components
- Apache Jakarta Commons Logging
- Apache Jakarta Commons Collections
- Apache Jakarta Commons Beanutils
- Apache Jakarta Commons CLI
- Apache Jakarta Commons Digester
- Apache Jakarta Commons Discovery
- Various CoG components (JGlobus, CoG-Axis)
- BEA/IBM CommonJ interfaces (WorkManager & Timer)
- Util.concurrent (Doug Lea, http://gee.cs.oswego.edu/dl/classes/EDU/oswego/cs/dl/util/concurrent/intro.html)
- Apache Log4J
- Apache Xerces