

Jsr181Impl

Goals

Provide an implementation of WSM. It can be RI for JSR 181. My point: how about developing both RI and TCK for JSR 181 in an open manner within Beehive? It can help Beehive WSM developers to be more effectively test-driven.

Requirements

Web-services-platform-neutral design. For the purpose, Beehive WSM APIs are invented so that any web services platforms such as Axis and BEA [WebLogic](#) can make use of Beehive WSM seamlessly.

Code bases

1. JSR 181 API (mostly annotation types) from JSR-181 official site
NB: Cliff, please check out if we can import them to Beehive SVN and update them without any (legal) conflict. If not, we can make a clean-room implementation for that.
- WSM for Axis from ws-axis/contrib

Constructs

1. JSR 181 standard annotation types
 - Beehive WSM API
 - An implementation of (b) for Axis Java2WSDL tool (J2SE-targeted)
 - An implementation of (b) for Axis JWS support (J2EE-Web-container-targeted)
 - An implementation of (b) for Geronimo (J2EE-JSR-109-targeted)
 - Test cases (including TCK)

Directory Structure

- wsm
 - src - root for source files
 - api - JSR 181 annotation types (as specified by JCP)
 - javax/jws
 - javax/jws/soap
 - runtime - all runtime components, platform-specific and platform-independent
 - org/apache/beehive/wsm/axis - [axis-specific_implementation](#)
 - org/apache/beehive/wsm/jsr181 - jsr 181 implementation (incl. rules enforcement, default values, etc.)
 - model - [Jsr181ObjectModel](#)
 - processor - jsr 181 processor components
 - apt - modules expecting source input files
 - reflection - modules expecting byte-code input files
 - wsdl - WSDL processing
 - drt - developer regression tests
 - tests - test cases
 - org/apache/beehive/wsm/axis
 - org/apache/beehive/wsm/jsr181
 - model
 - processor - JSR 181 processor components
 - apt
 - reflection
 - wsdl