

# Java

java-tomcat - 1.7

version :1.0.0-SNAPSHOT

Java Web services are client and server applications that communicate over the World Wide Web's (WWW) HyperText Transfer Protocol (HTTP).

## EXTERNALMODULE

**jdom**

**Jersey-json**

**Commons-io**

**junit**

### **Commons-logging**

Commons logging package is an ultra-thin bridge between different logging implementation portable with any logging implementation at runtime. Commons Logging is a thin adapter allowing configurable bridging to other, well known logging systems. When writing a library it is very useful to log information. However there are many logging implementations out there, and a library cannot impose the use of a particular one on the overall application that the library is a part of Applications (rather than libraries) may also choose to use commons-logging. While logging-implementation independence is not as important for applications as it is for libraries, using commons-logging does allow the application to change to a different logging implementation without recompiling code. Note that commons-logging does not attempt to initialise or terminate the underlying logging implementation that is used at runtime; that is the responsibility of the application. However many popular logging implementations do automatically initialise themselves; in this case an application may be able to avoid containing any code that is specific to the logging implementation used.

### **jsr311-api**

Jersey is the open source, production quality, JAX-RS (JSR 311) Reference Implementation for building RESTful Web services. But, it is also more than the Reference Implementation. Jersey provides an API so that developers may extend Jersey to suit their needs. The governance policy is the same as the one used in the GlassFish project. We also use the same two licenses - CDDL 1.1 and GPL 2 with CPE - so, you can pick which one suites your needs better.

### **Json-lib**

JSON-lib is a java library for transforming beans, maps, collections, java arrays and XML to JSON and back again to beans and DynaBeans. Includes support for Groovy and JRuby as well. jsonlib has two functions of interest, read and write. It also defines some exception: Read error, Write error, and unknown serializer error. For compatibility with the standard library, read is aliased to loads and write is aliased to dumps. They do not have the same set of advanced parameters,

but may be used interchangeably for simple invocations.

### **Jersey-server**

Jersey is the open source, production quality, JAX-RS (JSR 311) Reference Implementation for building RESTful Web services. But, it is also more than the Reference Implementation. Jersey provides an API so that developers may extend Jersey to suit their needs.

### **gson**

Gson is a Java library that can be used to convert Java Objects into their JSON representation. It can also be used to convert a JSON string to an equivalent Java object. Gson can work with arbitrary Java objects including pre-existing objects that you do not have source-code of. Gson support java generics and doesn't require any special annotations.