

## Introduction

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- \* Providing benchmark suite
- \* Alec Wysoker
- \* Performance and memory usage improvement

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org.apache.cxf:cxf-rt-frontend-jaxrs

org.apache.cxf:cxf-rt-rs-extension-providers

org.apache.cxf:cxf-rt-security

org.apache.cxf:cxf-rt-transports-http

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(<http://schemas.xmlsoap.org/wsdl/http>)

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# Jackson JSON processor

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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd - web-app\_3\_0.xsd
- web-common\_3\_0.xsd - web-fragment\_3\_0.xsd
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- javaee\_web\_services\_client\_1\_4.xsd
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org.apache.geronimo.specs:geronimo-jta\_1.1\_spec

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org.codehaus.mojo:animal-sniffer-annotations

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```
public interface Api
```

```
{
```

```
void checkVersion1();
```

```
}
```

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```
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```

```
io.opencensus:opencensus-proto
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io.opencensus:opencensus-api

io.opencensus:opencensus-contrib-http-util

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org.apache.httpcomponents:httpcore

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com.google.api:gax-httpjson

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org.bouncycastle:bcpkix-jdk15on

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org.codehaus.mojo:animal-sniffer-annotations

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*
*/
public interface Api
{
void checkVersion1();
}

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io.opencensus:opencensus-proto
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org.apache.httpcomponents:httpclient

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org.apache.httpcomponents:httpcore

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com.fasterxml.jackson.dataformat:jackson-dataformat-xml

com.fasterxml.jackson.dataformat:jackson-dataformat-yaml

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com.fasterxml.jackson.datatype:jackson-datatype-jsr310

com.fasterxml.jackson.module:jackson-module-parameter-names

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net.minidev:accessors-smart

net.minidev:json-smart

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org.apache.logging.log4j:log4j-to-slf4j
org.apache.logging.log4j:log4j-api
== License Type
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== Copyright Notices
Apache Log4j
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ResolverUtil.java
Copyright 2005-2006 Tim Fennell
Dumbster SMTP test server
Copyright 2004 Jason Paul Kitchen
TypeUtil.java
Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams
picocli (http://picocli.info)
Copyright 2017 Remko Popma

```



TimeoutBlockingWaitStrategy.java and parts of Util.java

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FOURTH-PARTY DEPENDENCY #20 NAME : org.apache.tomcat.embed:tomcat-embed-core

FOURTH-PARTY DEPENDENCY #21 NAME : org.apache.tomcat.embed:tomcat-embed-el

FOURTH-PARTY DEPENDENCY #22 NAME : org.apache.tomcat.embed:tomcat-embed-websocket

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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer. <https://github.com/RobertFischer/json-parser>

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd - javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd - web-app\_3\_0.xsd
- web-common\_3\_0.xsd - web-fragment\_3\_0.xsd
- javaee\_7.xsd - javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd - web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd - web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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== NAME OF DEPENDENCY 10

org.slf4j:slf4j-api

org.slf4j:jul-to-slf4j

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== NAME OF DEPENDENCY 12

org.springframework.data:spring-data-rest-core

org.springframework.data:spring-data-rest-webmvc

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== NAME OF DEPENDENCY 15

org.springframework:spring-aop

org.springframework:spring-beans

org.springframework:spring-context

org.springframework:spring-core

org.springframework:spring-expression

org.springframework:spring-jcl

org.springframework:spring-tx

org.springframework:spring-web

org.springframework:spring-webmvc

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org.checkerframework:checker-compat-qual

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lie

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set-immediate-shim

<https://github.com/sindresorhus/set-immediate-shim>

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readable-stream

<https://github.com/nodejs/readable-stream>

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string\_decoder

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util-deprecate

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<https://github.com/sindresorhus/set-immediate-shim>

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process-nexttick-args

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slf4j-api

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"mime-db"

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"whatwg-mimetype"

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"string\_decoder"

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4th party dependencies

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#02 org.springframework:spring-jcl:jar

#03 org.springframework:spring-context:jar  
#04 org.springframework:spring-aop:jar  
#05 org.springframework:spring-beans:jar  
#06 org.springframework:spring-expression

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org.springframework:spring-expression  
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta ([tatu.saloranta@iki.fi](mailto:tatu.saloranta@iki.fi)), and has been in development since 2007.

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ch.qos.logback logback-classic

ch.qos.logback logback-core

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org.slf4j slf4j-api

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jakarta.annotation jakarta.annotation-api

jakarta.transaction jakarta.transaction-api

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org.jboss jandex

org.jboss.logging jboss-logging

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com.querydsl:querydsl-apt

com.querydsl:querydsl-core

com.querydsl:codegen-utils

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org.jetbrains:annotations

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net.java.dev.jna:jna net.java.dev.jna:jna-platform

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common\_3\_0.xsd - web-fragment\_3\_0.xsd - javaee\_7.xsd -  
javaee\_web\_services\_1\_4.xsd - javaee\_web\_services\_client\_1\_4.xsd - jsp\_2\_3.xsd -  
web-app\_3\_1.xsd - web-common\_3\_1.xsd - web-fragment\_3\_1.xsd - javaee\_8.xsd -  
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Fourth-Party Dependencies

org.springframework spring-aop

org.springframework.boot spring-boot

org.springframework.boot spring-boot-starter

org.springframework spring-context

org.springframework spring-expression

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org.eclipse.jetty jetty-client

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org.eclipse.jetty jetty-http

org.eclipse.jetty jetty-io

org.eclipse.jetty jetty-plus  
org.eclipse.jetty jetty-security  
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org.eclipse.jetty jetty-servlet  
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org.eclipse.jetty jetty-webapp  
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org.springframework.boot spring-boot-starter

org.springframework spring-context

org.springframework spring-expression

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### Fourth-party dependencies

org.springframework.boot » spring-boot-starter

org.springframework.boot » spring-boot

org.springframework.boot » spring-boot-autoconfigure

org.springframework.boot » spring-boot-starter-logging

org.springframework.security » spring-security-config

org.springframework.security » spring-security-core

org.springframework.security » spring-security-crypto

org.springframework.security » spring-security-web

org.springframework » spring-context

org.springframework » spring-expression

org.springframework » spring-aop

org.springframework » spring-beans

org.springframework » spring-core

org.springframework » spring-jcl

org.springframework » spring-web

org.slf4j » slf4j-api

org.apache.logging.log4j » log4j-to-slf4j

org.apache.logging.log4j » log4j-api

org.slf4j » jul-to-slf4j

ch.qos.logback » logback-classic



ch.qos.logback » logback-core

org.osgi » org.osgi.core

org.yaml » snakeyaml

jakarta.annotation » jakarta.annotation-api

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org.springframework.boot » spring-boot-starter

org.springframework.boot » spring-boot

org.springframework.boot » spring-boot-autoconfigure

org.springframework.boot » spring-boot-starter-logging

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org.springframework.security » spring-security-config

org.springframework.security » spring-security-core

org.springframework.security » spring-security-crypto

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org.springframework » spring-context

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org.springframework » spring-aop

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ch.qos.logback » logback-classic

ch.qos.logback » logback-core

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org.slf4j » slf4j-api

org.apache.logging.log4j » log4j-to-slf4j

org.apache.logging.log4j » log4j-api

org.slf4j » jul-to-slf4j

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org.osgi » org.osgi.core

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- org.springframework.boot » spring-boot-starter
- org.springframework.boot » spring-boot-starter-json
- org.springframework.boot » spring-boot-starter-tomcat

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- org.springframework » spring-webmvc

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org.apache.logging.log4j:log4j-to-slf4j

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com.fasterxml.jackson.module:jackson-module-parameter-names:jar

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com.fasterxml.jackson.core:jackson-core

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com.fasterxml.jackson.core:jackson-annotations

com.fasterxml.jackson.core:jackson-databind

== License Type Apache License 2.0

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com.fasterxml.jackson.module:jackson-module-jaxb-annotations

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== NAME OF DEPENDENCY 6

com.fasterxml.jackson.datatype:jackson-datatype-jdk8

com.fasterxml.jackson.datatype:jackson-datatype-jsr310

com.fasterxml.jackson.module:jackson-module-parameter-names

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== NAME OF DEPENDENCY 8
com.sun.activation:jakarta.activation
jakarta.activation:jakarta.activation-api
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jakarta.annotation:jakarta.annotation-api

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- \* <https://github.com/eclipse-ee4j/jws-api>
- \* <https://github.com/eclipse-ee4j/jax-ws-api>
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org.apache.logging.log4j:log4j-api

org.apache.logging.log4j:log4j-to-slf4j

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TimeoutBlockingWaitStrategy.java and parts of Util.java

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== NAME OF DEPENDENCY 14

org.apache.tomcat.embed:tomcat-embed-core

org.apache.tomcat.embed:tomcat-embed-el

org.apache.tomcat.embed:tomcat-embed-websocket

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Java compilation software for JSP pages is provided by the Eclipse JDT Core Batch Compiler component, which is open source software. The original software and related information is available at <https://www.eclipse.org/jdt/core/>.

org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer. <https://github.com/RobertFischer/json-parser>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration

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- javaee\_5.xsd - javaee\_web\_services\_1\_2.xsd -  
javaee\_web\_services\_client\_1\_2.xsd - javaee\_6.xsd - javaee\_web\_services\_1\_3.xsd  
- javaee\_web\_services\_client\_1\_3.xsd - jsp\_2\_2.xsd - web-app\_3\_0.xsd - web-  
common\_3\_0.xsd - web-fragment\_3\_0.xsd - javaee\_7.xsd -  
javaee\_web\_services\_1\_4.xsd - javaee\_web\_services\_client\_1\_4.xsd - jsp\_2\_3.xsd -  
web-app\_3\_1.xsd - web-common\_3\_1.xsd - web-fragment\_3\_1.xsd - javaee\_8.xsd -  
web-app\_4\_0.xsd - web-common\_4\_0.xsd - web-fragment\_4\_0.xsd

may be obtained from: <http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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== NAME OF DEPENDENCY 15

org.jvnet.staxex:stax-ex

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maven-plugin-annotations (3.5)

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\* Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/>

\* Source: <https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations>

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 \* Source: [http://sourceforge.net/project/showfiles.php?group\\_id=29449](http://sourceforge.net/project/showfiles.php?group_id=29449)  
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 \* License: Pending  
 \* Project: <https://maven.apache.org/wagon/>  
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org.slf4j:jul-to-slf4j

org.slf4j:slf4j-api

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org.springframework.ws:spring-ws-core

org.springframework.ws:spring-xml

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org.springframework:spring-aop

org.springframework:spring-beans

org.springframework:spring-context

org.springframework:spring-core

org.springframework:spring-expression

org.springframework:spring-jcl

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org.springframework.boot:spring-boot-autoconfigure

org.springframework.boot:spring-boot-starter

org.springframework.boot:spring-boot-starter-json

org.springframework.boot:spring-boot-starter-logging

org.springframework.boot:spring-boot-starter-tomcat

org.springframework.boot:spring-boot-starter-web

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org.apache.logging.log4j log4j-to-slf4j

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ch.qos.logback logback-classic

ch.qos.logback logback-core

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com.fasterxml.jackson.core jackson-core

com.fasterxml.jackson.core jackson-databind  
com.fasterxml.jackson.datatype jackson-datatype-jdk8  
com.fasterxml.jackson.datatype jackson-datatype-jsr310  
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org.apache.tomcat.embed tomcat-embed-websocket

org.apache.tomcat.embed tomcat-embed-el

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Tatu Saloranta

com.fasterxml.woodstox:woodstox-core

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