

Spring IO Platform Reference Guide

Brussels-BUILD-SNAPSHOT

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Part I. Spring IO Platform Documentation

This section provides a brief overview of the Spring IO Platform reference documentation.

1. About the documentation

Spring IO Platform reference documentation is available as [html](#), [pdf](#) and [epub](#) documents. The latest copy is available at <http://docs.spring.io/platform/docs/current/reference>.

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2. Getting help

If you're having trouble with Spring IO Platform, we'd like to help:

- Learn the Spring basics — Spring IO Platform brings together many Spring projects, check the spring.io website for a wealth of reference documentation. If you are just starting out with Spring, try one of the [guides](#).
- Report bugs with the Spring IO Platform at <https://github.com/spring-io/platform/issues>.

Note

All of Spring IO Platform is open source, including this documentation. If you find problems with the documentation, or if you just want to improve it, please [get involved](#).

Part II. Getting Started

This section provides all you need to know to get started with Spring IO Platform.

3. Introducing Spring IO Platform

Spring IO Platform brings together the core Spring APIs into a cohesive platform for modern applications. It provides versions of numerous projects in the Spring portfolio along with their dependencies that are tested and known to work together.

4. Using Spring IO Platform

Spring IO Platform is primarily intended to be used with a dependency management system. It works well with both Maven and Gradle.

4.1 Using Spring IO Platform with Maven

The Platform uses Maven's support for [dependency management](#) to provide dependency versions to your application's build. To consume this dependency management you can import the Platform's bom into your application's pom:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/
maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <groupId>com.example</groupId>
  <artifactId>your-application</artifactId>
  <version>1.0.0-SNAPSHOT</version>

  <dependencyManagement>
    <dependencies>
      <dependency>
        <groupId>io.spring.platform</groupId>
        <artifactId>platform-bom</artifactId>
        <version>Brussels-BUILD-SNAPSHOT</version>
        <type>pom</type>
        <scope>import</scope>
      </dependency>
    </dependencies>
  </dependencyManagement>

  <!-- Dependency declarations -->

  <!-- Add Spring repositories -->
  <!-- (you don't need this if you are using a -RELEASE or -SR version) -->
  <repositories>
    <repository>
      <id>spring-snapshots</id>
      <url>http://repo.spring.io/libs-snapshot</url>
      <snapshots><enabled>true</enabled></snapshots>
    </repository>
  </repositories>
  <pluginRepositories>
    <pluginRepository>
      <id>spring-snapshots</id>
      <url>http://repo.spring.io/libs-snapshot</url>
      <snapshots><enabled>true</enabled></snapshots>
    </pluginRepository>
  </pluginRepositories>
</project>
```

Alternatively, rather than importing the Platform's bom, you may prefer to use it as your pom's parent:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/
maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>
```



```

<groupId>com.example</groupId>
<artifactId>your-application</artifactId>
<version>1.0.0-SNAPSHOT</version>

<parent>
  <groupId>io.spring.platform</groupId>
  <artifactId>platform-bom</artifactId>
  <version>Brussels-BUILD-SNAPSHOT</version>
  <relativePath/>
</parent>

<!-- Dependency declarations -->

<!-- Add Spring repositories -->
<!-- (you don't need this if you are using a -RELEASE or -SR version) -->
<repositories>
  <repository>
    <id>spring-snapshots</id>
    <url>http://repo.spring.io/libs-snapshot</url>
    <snapshots><enabled>true</enabled></snapshots>
  </repository>
</repositories>
<pluginRepositories>
  <pluginRepository>
    <id>spring-snapshots</id>
    <url>http://repo.spring.io/libs-snapshot</url>
    <snapshots><enabled>true</enabled></snapshots>
  </pluginRepository>
</pluginRepositories>
</project>

```

Taking this approach, in addition to the dependency management that importing the pom provides, your application will also gain some plugin management that provides sensible defaults for a number of plugins, including [Spring Boot's Maven Plugin](#). To take advantage of this default configuration, all you then need to do is to include the plugin in the `<plugins>` section of your pom:

```

<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>

```

By using the Platform as your pom's parent, you will also be able to make use of the properties that it declares and to override those properties. One reason for overriding a property is to change the version of a dependency. See [Section 5.1, "Overriding a version using Maven"](#) for more information.

If you want to use the Platform and Spring Boot together, you don't have to use the Platform's pom as the parent. Instead, you can import the Platform's pom as described above and then perform the rest of the configuration manually. [Spring Boot's documentation on using it with Maven](#) will show you how.

Whichever approach you choose, no dependencies will be added to your application. However, when you do declare a dependency on something that's part of the Platform, you will now be able to omit the version number. For example:

```

<dependencies>
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-core</artifactId>
  </dependency>
</dependencies>

```

For more details of what's included in the Platform and the versions that are provided, please refer to the [appendix](#).

4.2 Using Spring IO Platform with Gradle

To use the Platform with Gradle, you can use the Gradle [Dependency Management Plugin](#) and import the bom in much the same way as you would with Maven. The use of a plugin is necessary as Gradle does not provide an equivalent of Maven's built-in dependency management support.

To use the plugin, you configure your build to apply the plugin and then in the `dependencyManagement` configuration you import the Platform's bom:

```
buildscript {
    repositories {
        jcenter()
    }
    dependencies {
        classpath 'io.spring.gradle:dependency-management-plugin:1.0.0.RELEASE'
    }
}

apply plugin: 'io.spring.dependency-management'

repositories {
    mavenCentral()
    maven { url 'http://repo.spring.io/libs-snapshot' }
}

dependencyManagement {
    imports {
        mavenBom 'io.spring.platform:platform-bom:Brussels-BUILD-SNAPSHOT'
    }
}
```

With this configuration in place you can then declare a dependency on an artifact that's part of the Platform without specifying a version:

```
dependencies {
    compile 'org.springframework:spring-core'
}
```

For more details of what's included in the Platform and the versions that are provided, please refer to the [appendix](#).

5. Overriding Spring IO Platform's dependency management

One of the major benefits of the Spring IO Platform is that it provides a set of versions that are known to work together, while also allowing you to override those versions to suit the needs of your project.

Both the Spring IO Platform bom, and the Spring Boot bom from which it inherits, use properties to define the versions of the managed dependencies. To change the version of a dependency the value of its version property can be overridden. To identify the property that you wish to override, consult the `<properties>` sections of the Spring IO Platform bom and the Spring Boot bom from which it inherits. Exactly how the property is overridden depends on whether your project is built with Maven or Gradle.

5.1 Overriding a version using Maven

To override a property in Maven you must use the Platform's bom as your pom's parent. You can then declare the property in your pom's `<properties>` section with the desired value:

```
<properties>
  <foo.version>1.1.0.RELEASE</foo.version>
</properties>
```

5.2 Overriding a version using Gradle

To override a property in Gradle, configure its value in your `build.gradle` script:

```
ext['foo.version'] = '1.1.0.RELEASE'
```

Or in `gradle.properties`:

```
foo.version=1.1.0.RELEASE
```

5.3 Logging

Spring IO Platform builds on top of Spring Boot which takes a somewhat opinionated view about logging in that it aims to prevent Commons Logging from being used by default. Instead, it encourages the use of Logback via its `spring-boot-starter-logging` module. Support for other logging frameworks, including Log4J2, is also provided. Wherever possible, applications built using Spring IO Platform should adopt this approach.

If you choose not to use Spring Boot's `spring-boot-starter-logging` module but still wish to avoid the use of Commons Logging, using SLF4J and its `jcl-over-slf4j` module is recommended along with a logging backend such as Logback or Log4J2.

Part III. Upgrading

This section provides all you need to know about upgrading to this version of Spring IO Platform.

6. Changes to dependency management

6.1 Dependency management that has been removed

The following table lists dependency management that has been removed. If your project uses one of these dependencies, you should configure your own dependency management as part of the upgrade process.

Dependency	Explanation
<code>com.datastax.cassandra:cassandra-driver-dse</code>	No longer a direct dependency of any of the Platform's projects
<code>com.yammer.metrics:metrics-annotation</code>	No longer a direct dependency of any of the Platform's projects
<code>com.yammer.metrics:metrics-core</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.avro:avro</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.avro:avro-compiler</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.kafka:kafka_2.10</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.velocity:velocity-tools</code>	No longer a direct dependency of any of the Platform's projects
<code>org.hornetq:hornetq-jms-client</code>	No longer a direct dependency of any of the Platform's projects
<code>org.hornetq:hornetq-jms-server</code>	No longer a direct dependency of any of the Platform's
<code>org.springframework.boot:spring-boot-starter-velocity</code>	Does not exist in the version of Spring Boot that is now used by the Platform
<code>org.springframework.boot:spring-boot-starter-hornetq</code>	Does not exist in the version of Spring Boot that is now used by the Platform

6.2 Dependency management that has been replaced

The following table lists dependency management that has been replaced. Where possible, as part of the upgrade process, you should update your project's dependencies to use the replacements.

Dependency	Replacement
<code>org.springframework.boot:spring-boot-starter-redis</code>	<code>org.springframework.boot:spring-boot-starter-data-redis</code>
<code>javax.ejb:ejb-api</code>	<code>javax.ejb:javax.ejb-api</code>

Dependency	Replacement
org.springframework.boot:spring-boot-starter-ws	org.springframework.boot:spring-boot-starter-web-services

Part IV. Maintenance

This section describes the approach taken to the maintenance of the Platform.

7. Adding dependencies

The inclusion of a dependency in the Platform is triggered by its usage in one of the Platform's projects. When a new project is added to the Platform, or the Platform upgrades to a new version of an existing project, any of the project's dependencies that are not part of the Platform will be added to the Platform. Furthermore, when a new dependency is added to the Platform, any other modules that are part of the same project will typically also be added, even if they are not used by any of the Platform's projects. This helps to ensure that a consistent version is used across all modules of a third-party project.

8. Release cycle

A new maintenance release of the Platform occurs roughly every 6 to 8 weeks. There will, however, be occasions when a new release occurs more quickly than this; to address a security vulnerability, for example. This schedule will also slow down as a branch ages and has been superseded.

In addition to the general maintenance cycle described above, a maintenance release of the Platform will often be triggered by a maintenance release of Spring Boot. Furthermore, a new maintenance release of Spring Framework will often trigger a maintenance release of Spring Boot.

A key goal of the Platform is to provide its users with a stable set of versions that maintain backwards compatibility while also being as up-to-date as possible. To allow us to strike this balance there may be occasions when a bug in Spring Framework or Spring Boot causes the Platform to skip a version and wait for a release which resolves the issue.

Part V. Known issues

This section describes any known issues with the Platform

9. Guava

The version of Guava provided by the Platform aligns with the latest version that's supported by the Spring projects in the Platform. Due to the wide range of Guava versions, each with backwards incompatible API changes, that are in use throughout the Java ecosystem this version may not be compatible with all third-party libraries. If you encounter an incompatibility, you can [override the version](#) to meet your application's needs using the `guava.version` property.

Part VI. Appendices

Appendix A. Dependency versions

The table below provides details of all of the artifacts that are part of Spring IO Platform. When you declare a dependency on one of these artifacts without declaring a version, the version that is listed in the table will be used.

Group	Artifact	Version
antlr	antlr	2.7.7
aopalliance	aopalliance	1.0
biz.paluch.redis	lettuce	4.2.2.Final
ch.qos.logback	logback-access	1.1.11
ch.qos.logback	logback-classic	1.1.11
ch.qos.logback	logback-core	1.1.11
com.atomikos	transactions-jdbc	3.9.3
com.atomikos	transactions-jms	3.9.3
com.atomikos	transactions-jta	3.9.3
com.caucho	hessian	4.0.59
com.couchbase.client	couchbase-spring-cache	2.1.0
com.couchbase.client	java-client	2.3.7
com.datastax.cassandra	cassandra-driver-core	3.1.4
com.datastax.cassandra	cassandra-driver-mapping	3.1.4
com.esotericsoftware	kryo	3.0.3
com.esotericsoftware	kryo-shaded	3.0.3
com.fasterxml.jackson.core	jackson-annotations	2.8.0
com.fasterxml.jackson.core	jackson-core	2.8.11
com.fasterxml.jackson.core	jackson-databind	2.8.11.3
com.fasterxml.jackson.dataformat	jackson-dataformat-avro	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-cbor	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-csv	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-ion	2.8.10
com.fasterxml.jackson.dataformat	jackson-dataformat-properties	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-protobuf	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-smile	2.8.11

Group	Artifact	Version
com.fasterxml.jackson.dataformat	jackson-dataformat-xml	2.8.11
com.fasterxml.jackson.dataformat	jackson-dataformat-yaml	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-guava	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-hibernate3	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-hibernate4	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-hibernate5	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-hppc	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-jaxrs	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-jdk8	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-joda	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-json-org	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-jsr310	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-jsr353	2.8.11
com.fasterxml.jackson.datatype	jackson-datatype-pcollections	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-base	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-cbor-provider	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-json-provider	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-smile-provider	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-xml-provider	2.8.11
com.fasterxml.jackson.jaxrs	jackson-jaxrs-yaml-provider	2.8.11
com.fasterxml.jackson.jr	jackson-jr-all	2.8.11
com.fasterxml.jackson.jr	jackson-jr-objects	2.8.11
com.fasterxml.jackson.jr	jackson-jr-retrofit2	2.8.11
com.fasterxml.jackson.jr	jackson-jr-stree	2.8.11
com.fasterxml.jackson.module	jackson-module-afterburner	2.8.11
com.fasterxml.jackson.module	jackson-module-guice	2.8.11
com.fasterxml.jackson.module	jackson-module-jaxb-annotations	2.8.11
com.fasterxml.jackson.module	jackson-module-jsonSchema	2.8.11
com.fasterxml.jackson.module	jackson-module-kotlin	2.8.11.1
com.fasterxml.jackson.module	jackson-module-mrbean	2.8.11

Group	Artifact	Version
com.fasterxml.jackson.module	jackson-module-osgi	2.8.11
com.fasterxml.jackson.module	jackson-module-parameter-names	2.8.11
com.fasterxml.jackson.module	jackson-module-paranamer	2.8.11
com.fasterxml.jackson.module	jackson-module-scala_2.10	2.8.11
com.fasterxml.jackson.module	jackson-module-scala_2.11	2.8.11
com.fasterxml.jackson.module	jackson-module-scala_2.12	2.8.11
com.fasterxml	classmate	1.3.4
com.gemstone.gemfire	gemfire	8.2.13
com.github.ben-manes.caffeine	caffeine	2.3.5
com.github.mxab.thymeleaf.extras	thymeleaf-extras-data-attribute	1.3
com.github.spullara.redis	client	0.7
com.goldmansachs	gs-collections	5.1.0
com.google.appengine	appengine-api-1.0-sdk	1.9.71
com.google.code.findbugs	annotations	2.0.3
com.google.code.findbugs	jsr305	3.0.2
com.google.code.gson	gson	2.8.5
com.google.code.typica	typica	1.3
com.google.guava	guava	20.0
com.google.inject	guice	3.0
com.google.protobuf	protobuf-java	2.6.1
com.googlecode.json-simple	json-simple	1.1.1
com.googlecode.protobuf-java-format	protobuf-java-format	1.4
com.h2database	h2	1.4.197
com.hazelcast	hazelcast	3.7.8
com.hazelcast	hazelcast-client	3.7.8
com.hazelcast	hazelcast-hibernate4	3.7.1
com.hazelcast	hazelcast-hibernate5	1.1.3
com.hazelcast	hazelcast-spring	3.7.8
com.ibm.jbatch	com.ibm.jbatch-tck-spi	1.0

Group	Artifact	Version
com.ibm.websphere	uow	6.0.2.17
com.jamonapi	jamon	2.81
com.jayway.jsonpath	json-path	2.2.0
com.jayway.jsonpath	json-path-assert	2.2.0
com.jayway.restassured	rest-assured	2.9.0
com.jcraft	jsch	0.1.55
com.lowagie	itext	2.1.7
com.mchange	c3p0	0.9.5.2
com.microsoft.sqlserver	mssql-jdbc	6.1.0.jre7
com.querydsl	querydsl-apt	4.1.4
com.querydsl	querydsl-collections	4.1.4
com.querydsl	querydsl-core	4.1.4
com.querydsl	querydsl-jpa	4.1.4
com.querydsl	querydsl-mongodb	4.1.4
com.rabbitmq	amqp-client	4.8.3
com.rabbitmq	http-client	1.1.1.RELEASE
com.rometools	rome	1.6.1
com.rometools	rome-certiozem	1.6.1
com.rometools	rome-fetcher	1.6.1
com.rometools	rome-modules	1.6.1
com.rometools	rome-opml	1.6.1
com.rometools	rome-propono	1.6.1
com.samskivert	jmustache	1.13
com.sendgrid	sendgrid-java	2.2.2
com.splunk	splunk	1.3.0
com.squareup.okhttp3	okhttp	3.6.0
com.squareup.okhttp	okhttp	2.7.5
com.sun.facelets	jsf-facelets	1.1.14
com.sun.faces	jsf-api	2.2.18
com.sun.faces	jsf-impl	2.2.18

Group	Artifact	Version
com.sun.mail	imap	1.5.6
com.sun.mail	javax.mail	1.5.6
com.sun.xml.messaging.saaj	saaj-impl	1.3.28
com.sun.xml.wss	xws-security	3.0
com.sun	ldapbp	1.0
com.thoughtworks.xstream	xstream	1.4.11.1
com.timgroup	java-statsd-client	3.1.0
com.unboundid	unboundid-ldapsdk	3.2.1
com.zaxxer	HikariCP	2.5.1
com.zaxxer	HikariCP-java6	2.3.13
com.zaxxer	HikariCP-java7	2.4.13
commons-beanutils	commons-beanutils	1.9.3
commons-cli	commons-cli	1.3.1
commons-codec	commons-codec	1.10
commons-collections	commons-collections	3.2.2
commons-dbcp	commons-dbcp	1.4
commons-digester	commons-digester	2.1
commons-fileupload	commons-fileupload	1.3.3
commons-httpclient	commons-httpclient	3.1
commons-io	commons-io	2.5
commons-lang	commons-lang	2.6
commons-logging	commons-logging	1.2
commons-net	commons-net	3.5
commons-pool	commons-pool	1.6
de.flapdoodle.embed	de.flapdoodle.embed.mongo	1.50.5
dom4j	dom4j	1.6.1
io.dropwizard.metrics	metrics-annotation	3.1.5
io.dropwizard.metrics	metrics-core	3.1.5
io.dropwizard.metrics	metrics-ehcache	3.1.5
io.dropwizard.metrics	metrics-ganglia	3.1.5

Group	Artifact	Version
io.dropwizard.metrics	metrics-graphite	3.1.5
io.dropwizard.metrics	metrics-healthchecks	3.1.5
io.dropwizard.metrics	metrics-httpasyncclient	3.1.5
io.dropwizard.metrics	metrics-jdbi	3.1.5
io.dropwizard.metrics	metrics-jersey	3.1.5
io.dropwizard.metrics	metrics-jersey2	3.1.5
io.dropwizard.metrics	metrics-jetty8	3.1.5
io.dropwizard.metrics	metrics-jetty9	3.1.5
io.dropwizard.metrics	metrics-jetty9-legacy	3.1.5
io.dropwizard.metrics	metrics-json	3.1.5
io.dropwizard.metrics	metrics-jvm	3.1.5
io.dropwizard.metrics	metrics-log4j	3.1.5
io.dropwizard.metrics	metrics-log4j2	3.1.5
io.dropwizard.metrics	metrics-logback	3.1.5
io.dropwizard.metrics	metrics-servlet	3.1.5
io.dropwizard.metrics	metrics-servlets	3.1.5
io.fastjson	boon	0.34
io.javaslang	javaslang	2.0.6
io.javaslang	javaslang-match	2.0.6
io.netty	netty-all	4.0.56.Final
io.projectreactor.spring	reactor-spring-context	2.0.7.RELEASE
io.projectreactor.spring	reactor-spring-core	2.0.7.RELEASE
io.projectreactor.spring	reactor-spring-messaging	2.0.7.RELEASE
io.projectreactor.spring	reactor-spring-webmvc	2.0.7.RELEASE
io.projectreactor	reactor-bus	2.0.8.RELEASE
io.projectreactor	reactor-core	2.0.8.RELEASE
io.projectreactor	reactor-groovy	2.0.8.RELEASE
io.projectreactor	reactor-groovy-extensions	2.0.8.RELEASE
io.projectreactor	reactor-logback	2.0.8.RELEASE
io.projectreactor	reactor-net	2.0.8.RELEASE

Group	Artifact	Version
io.projectreactor	reactor-stream	2.0.8.RELEASE
io.searchbox	jest	2.0.4
io.undertow	undertow-core	1.4.26.Final
io.undertow	undertow-servlet	1.4.26.Final
io.undertow	undertow-websockets-jsr	1.4.26.Final
io.vavr	vavr	0.9.3
javax.activation	activation	1.1.1
javax.annotation	jsr250-api	1.0
javax.batch	javax.batch-api	1.0.1
javax.cache	cache-api	1.0.0
javax.ejb	javax.ejb-api	3.2.2
javax.el	javax.el-api	2.2.5
javax.enterprise.concurrent	javax.enterprise.concurrent-api	1.0
javax.enterprise	cdi-api	1.2
javax.faces	javax.faces-api	2.2
javax.inject	javax.inject	1
javax.interceptor	javax.interceptor-api	1.2.2
javax.jdo	jdo-api	3.0.1
javax.jms	jms-api	1.1-rev-1
javax.mail	javax.mail-api	1.5.6
javax.money	money-api	1.0.3
javax.portlet	portlet-api	2.0
javax.resource	connector-api	1.5
javax.servlet.jsp.jstl	javax.servlet.jsp.jstl-api	1.2.2
javax.servlet.jsp	javax.servlet.jsp-api	2.3.3
javax.servlet	javax.servlet-api	3.1.0
javax.servlet	jstl	1.2
javax.transaction	javax.transaction-api	1.2
javax.validation	validation-api	1.1.0.Final
javax.websocket	javax.websocket-api	1.1

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javax.ws.rs	javax.ws.rs-api	2.0.1
jaxen	jaxen	1.1.6
jline	jline	2.14.6
joda-time	joda-time	2.9.9
junit	junit	4.12
ldapsdk	ldapsdk	4.1
log4j	log4j	1.2.17
mysql	mysql-connector-java	5.1.47
net.java.dev.jna	jna	4.2.2
net.java.dev.jna	jna-platform	4.2.2
net.openhft	chronicle	3.4.4
net.openhft	lang	6.6.16
net.sf.ehcache	ehcache	2.10.5
net.sf.jasperreports	jasperreports	6.4.3
net.sf.jopt-simple	jopt-simple	5.0.4
net.sourceforge.htmlunit	htmlunit	2.21
net.sourceforge.jexcelapi	jxl	2.6.12
net.sourceforge.jtds	jtds	1.3.1
net.sourceforge.nekohtml	nekohtml	1.9.22
nz.net.ultraq.thymeleaf	thymeleaf-layout-dialect	1.4.0
opensymphony	ognl	2.6.11
org.apache.activemq	activemq-amqp	5.14.5
org.apache.activemq	activemq-blueprint	5.14.5
org.apache.activemq	activemq-broker	5.14.5
org.apache.activemq	activemq-camel	5.14.5
org.apache.activemq	activemq-client	5.14.5
org.apache.activemq	activemq-console	5.14.5
org.apache.activemq	activemq-http	5.14.5
org.apache.activemq	activemq-jaas	5.14.5
org.apache.activemq	activemq-jdbc-store	5.14.5

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org.apache.activemq	activemq-jms-pool	5.14.5
org.apache.activemq	activemq-kahadb-store	5.14.5
org.apache.activemq	activemq-karaf	5.14.5
org.apache.activemq	activemq-leveldb-store	5.14.5
org.apache.activemq	activemq-log4j-appender	5.14.5
org.apache.activemq	activemq-mqtt	5.14.5
org.apache.activemq	activemq-openwire-generator	5.14.5
org.apache.activemq	activemq-openwire-legacy	5.14.5
org.apache.activemq	activemq-osgi	5.14.5
org.apache.activemq	activemq-partition	5.14.5
org.apache.activemq	activemq-pool	5.14.5
org.apache.activemq	activemq-ra	5.14.5
org.apache.activemq	activemq-run	5.14.5
org.apache.activemq	activemq-runtime-config	5.14.5
org.apache.activemq	activemq-shiro	5.14.5
org.apache.activemq	activemq-spring	5.14.5
org.apache.activemq	activemq-stomp	5.14.5
org.apache.activemq	activemq-web	5.14.5
org.apache.activemq	artemis-amqp-protocol	1.5.6
org.apache.activemq	artemis-commons	1.5.6
org.apache.activemq	artemis-core-client	1.5.6
org.apache.activemq	artemis-jms-client	1.5.6
org.apache.activemq	artemis-jms-server	1.5.6
org.apache.activemq	artemis-journal	1.5.6
org.apache.activemq	artemis-native	1.5.6
org.apache.activemq	artemis-selector	1.5.6
org.apache.activemq	artemis-server	1.5.6
org.apache.activemq	artemis-service-extensions	1.5.6
org.apache.commons	commons-dbcp2	2.1.1
org.apache.commons	commons-lang3	3.5

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org.apache.commons	commons-pool2	2.4.3
org.apache.curator	curator-recipes	2.11.1
org.apache.derby	derby	10.13.1.1
org.apache.derby	derbyclient	10.13.1.1
org.apache.directory.server	apacheds-core	1.5.5
org.apache.directory.server	apacheds-core-entry	1.5.5
org.apache.directory.server	apacheds-protocol-ldap	1.5.5
org.apache.directory.server	apacheds-protocol-shared	1.5.5
org.apache.directory.server	apacheds-server-jndi	1.5.5
org.apache.directory.shared	shared-ldap	0.9.15
org.apache.httpcomponents	fluent-hc	4.5.6
org.apache.httpcomponents	httpasyncclient	4.1.4
org.apache.httpcomponents	httpClient	4.5.6
org.apache.httpcomponents	httpClient-cache	4.5.6
org.apache.httpcomponents	httpClient-osgi	4.5.6
org.apache.httpcomponents	httpClient-win	4.5.6
org.apache.httpcomponents	httpcore	4.4.10
org.apache.httpcomponents	httpmime	4.5.6
org.apache.ibatis	ibatis-sqlmap	2.3.4.726
org.apache.kafka	kafka-clients	0.10.1.1
org.apache.kafka	kafka-streams	0.10.1.1
org.apache.kafka	kafka_2.11	0.10.1.1
org.apache.logging.log4j	log4j-1.2-api	2.7
org.apache.logging.log4j	log4j-api	2.7
org.apache.logging.log4j	log4j-api-scala_2.10	2.7
org.apache.logging.log4j	log4j-api-scala_2.11	2.7
org.apache.logging.log4j	log4j-core	2.7
org.apache.logging.log4j	log4j-flume-ng	2.7
org.apache.logging.log4j	log4j-iostreams	2.7
org.apache.logging.log4j	log4j-jcl	2.7

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org.apache.logging.log4j	log4j-jmx-gui	2.7
org.apache.logging.log4j	log4j-jul	2.7
org.apache.logging.log4j	log4j-liquibase	2.7
org.apache.logging.log4j	log4j-nosql	2.7
org.apache.logging.log4j	log4j-slf4j-impl	2.7
org.apache.logging.log4j	log4j-taglib	2.7
org.apache.logging.log4j	log4j-web	2.7
org.apache.myfaces.core	myfaces-impl	2.2.12
org.apache.openjpa	openjpa	2.4.3
org.apache.openjpa	openjpa-persistence-jdbc	2.4.3
org.apache.poi	poi	3.15
org.apache.poi	poi-ooxml	3.15
org.apache.poi	poi-scratchpad	3.15
org.apache.solr	solr-analysis-extras	5.5.5
org.apache.solr	solr-analytics	5.5.5
org.apache.solr	solr-cell	5.5.5
org.apache.solr	solr-clustering	5.5.5
org.apache.solr	solr-core	5.5.5
org.apache.solr	solr-dataimporthandler	5.5.5
org.apache.solr	solr-dataimporthandler-extras	5.5.5
org.apache.solr	solr-langid	5.5.5
org.apache.solr	solr-map-reduce	5.5.5
org.apache.solr	solr-morphlines-cell	5.5.5
org.apache.solr	solr-morphlines-core	5.5.5
org.apache.solr	solr-solrj	5.5.5
org.apache.solr	solr-test-framework	5.5.5
org.apache.solr	solr-uima	5.5.5
org.apache.solr	solr-velocity	5.5.5
org.apache.taglibs	taglibs-standard-impl	1.2.5
org.apache.taglibs	taglibs-standard-jstlel	1.2.5

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org.apache.taglibs	taglibs-standard-spec	1.2.5
org.apache.tiles	tiles-api	3.0.8
org.apache.tiles	tiles-core	3.0.8
org.apache.tiles	tiles-el	3.0.8
org.apache.tiles	tiles-extras	3.0.8
org.apache.tiles	tiles-jsp	3.0.8
org.apache.tiles	tiles-request-api	1.0.7
org.apache.tiles	tiles-servlet	3.0.8
org.apache.tomcat.embed	tomcat-embed-core	8.5.37
org.apache.tomcat.embed	tomcat-embed-el	8.5.37
org.apache.tomcat.embed	tomcat-embed-jasper	8.5.37
org.apache.tomcat.embed	tomcat-embed-websocket	8.5.37
org.apache.tomcat	tomcat-annotations-api	8.5.37
org.apache.tomcat	tomcat-catalina	8.5.37
org.apache.tomcat	tomcat-dbcp	8.5.37
org.apache.tomcat	tomcat-jdbc	8.5.37
org.apache.tomcat	tomcat-jsp-api	8.5.37
org.apache.tomcat	tomcat-websocket	8.5.37
org.apache.velocity	velocity	1.7
org.apache.ws.commons.axiom	axiom-api	1.2.21
org.apache.ws.commons.axiom	axiom-impl	1.2.21
org.apache.ws.security	wss4j	1.6.19
org.apache.ws.xmlschema	xmlschema-core	2.2.4
org.apache.wss4j	wss4j-ws-security-common	2.1.12
org.apache.wss4j	wss4j-ws-security-dom	2.1.12
org.apache.xmlbeans	xmlbeans	2.6.0
org.aspectj	aspectjrt	1.8.13
org.aspectj	aspectjtools	1.8.13
org.aspectj	aspectjweaver	1.8.13
org.assertj	assertj-core	2.6.0

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org.atteo	evo-inflector	1.2.2
org.beanshell	bsh	2.0b4
org.bouncycastle	bcpkix-jdk15on	1.56
org.codehaus.btm	btm	2.1.4
org.codehaus.castor	castor-xml	1.4.1
org.codehaus.fabric3.api	commonj	1.1.1
org.codehaus.groovy	groovy	2.4.16
org.codehaus.groovy	groovy-all	2.4.16
org.codehaus.groovy	groovy-ant	2.4.16
org.codehaus.groovy	groovy-bsf	2.4.16
org.codehaus.groovy	groovy-console	2.4.16
org.codehaus.groovy	groovy-docgenerator	2.4.16
org.codehaus.groovy	groovy-groovydoc	2.4.16
org.codehaus.groovy	groovy-groovysh	2.4.16
org.codehaus.groovy	groovy-jmx	2.4.16
org.codehaus.groovy	groovy-json	2.4.16
org.codehaus.groovy	groovy-jsr223	2.4.16
org.codehaus.groovy	groovy-nio	2.4.16
org.codehaus.groovy	groovy-servlet	2.4.16
org.codehaus.groovy	groovy-sql	2.4.16
org.codehaus.groovy	groovy-swing	2.4.16
org.codehaus.groovy	groovy-templates	2.4.16
org.codehaus.groovy	groovy-test	2.4.16
org.codehaus.groovy	groovy-testng	2.4.16
org.codehaus.groovy	groovy-xml	2.4.16
org.codehaus.jackson	jackson-core-asl	1.9.13
org.codehaus.jackson	jackson-mapper-asl	1.9.13
org.codehaus.janino	janino	2.7.8
org.codehaus.jettison	jettison	1.2
org.codehaus.woodstox	woodstox-core-asl	4.4.1

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org.crashub	crash.cli	1.3.2
org.crashub	crash.connectors.ssh	1.3.2
org.crashub	crash.connectors.telnet	1.3.2
org.crashub	crash.embed.spring	1.3.2
org.crashub	crash.plugins.cron	1.3.2
org.crashub	crash.plugins.mail	1.3.2
org.crashub	crash.shell	1.3.2
org.eclipse.jetty.cdi	cdi-core	9.4.14.v20181114
org.eclipse.jetty.cdi	cdi-servlet	9.4.14.v20181114
org.eclipse.jetty.fcgi	fcgi-client	9.4.14.v20181114
org.eclipse.jetty.fcgi	fcgi-server	9.4.14.v20181114
org.eclipse.jetty.gcloud	jetty-gcloud-session-manager	9.4.14.v20181114
org.eclipse.jetty.http2	http2-client	9.4.14.v20181114
org.eclipse.jetty.http2	http2-common	9.4.14.v20181114
org.eclipse.jetty.http2	http2-hpack	9.4.14.v20181114
org.eclipse.jetty.http2	http2-http-client-transport	9.4.14.v20181114
org.eclipse.jetty.http2	http2-server	9.4.14.v20181114
org.eclipse.jetty.memcached	jetty-memcached-sessions	9.4.14.v20181114
org.eclipse.jetty.orbit	javax.servlet.jsp	2.2.0.v201112011158
org.eclipse.jetty.osgi	jetty-httpservice	9.4.14.v20181114
org.eclipse.jetty.osgi	jetty-osgi-boot	9.4.14.v20181114
org.eclipse.jetty.osgi	jetty-osgi-boot-jsp	9.4.14.v20181114
org.eclipse.jetty.osgi	jetty-osgi-boot-warurl	9.4.14.v20181114
org.eclipse.jetty.websocket	javax-websocket-client-impl	9.4.14.v20181114
org.eclipse.jetty.websocket	javax-websocket-server-impl	9.4.14.v20181114
org.eclipse.jetty.websocket	websocket-api	9.4.14.v20181114
org.eclipse.jetty.websocket	websocket-client	9.4.14.v20181114
org.eclipse.jetty.websocket	websocket-common	9.4.14.v20181114
org.eclipse.jetty.websocket	websocket-server	9.4.14.v20181114
org.eclipse.jetty.websocket	websocket-servlet	9.4.14.v20181114

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org.eclipse.jetty	apache-jsp	9.4.14.v20181114
org.eclipse.jetty	apache-jstl	9.4.14.v20181114
org.eclipse.jetty	jetty-alpn-client	9.4.14.v20181114
org.eclipse.jetty	jetty-alpn-java-client	9.4.14.v20181114
org.eclipse.jetty	jetty-alpn-java-server	9.4.14.v20181114
org.eclipse.jetty	jetty-alpn-server	9.4.14.v20181114
org.eclipse.jetty	jetty-annotations	9.4.14.v20181114
org.eclipse.jetty	jetty-ant	9.4.14.v20181114
org.eclipse.jetty	jetty-client	9.4.14.v20181114
org.eclipse.jetty	jetty-continuation	9.4.14.v20181114
org.eclipse.jetty	jetty-deploy	9.4.14.v20181114
org.eclipse.jetty	jetty-hazelcast	9.4.14.v20181114
org.eclipse.jetty	jetty-http	9.4.14.v20181114
org.eclipse.jetty	jetty-http-spi	9.4.14.v20181114
org.eclipse.jetty	jetty-infinispan	9.4.14.v20181114
org.eclipse.jetty	jetty-io	9.4.14.v20181114
org.eclipse.jetty	jetty-jaas	9.4.14.v20181114
org.eclipse.jetty	jetty-jaspi	9.4.14.v20181114
org.eclipse.jetty	jetty-jmx	9.4.14.v20181114
org.eclipse.jetty	jetty-jndi	9.4.14.v20181114
org.eclipse.jetty	jetty-nosql	9.4.14.v20181114
org.eclipse.jetty	jetty-plus	9.4.14.v20181114
org.eclipse.jetty	jetty-proxy	9.4.14.v20181114
org.eclipse.jetty	jetty-quickstart	9.4.14.v20181114
org.eclipse.jetty	jetty-rewrite	9.4.14.v20181114
org.eclipse.jetty	jetty-runner	9.4.14.v20181114
org.eclipse.jetty	jetty-security	9.4.14.v20181114
org.eclipse.jetty	jetty-server	9.4.14.v20181114
org.eclipse.jetty	jetty-servlet	9.4.14.v20181114
org.eclipse.jetty	jetty-servlets	9.4.14.v20181114

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org.eclipse.jetty	jetty-spring	9.4.14.v20181114
org.eclipse.jetty	jetty-start	9.4.14.v20181114
org.eclipse.jetty	jetty-unixsocket	9.4.14.v20181114
org.eclipse.jetty	jetty-util	9.4.14.v20181114
org.eclipse.jetty	jetty-util-ajax	9.4.14.v20181114
org.eclipse.jetty	jetty-webapp	9.4.14.v20181114
org.eclipse.jetty	jetty-xml	9.4.14.v20181114
org.eclipse.paho	org.eclipse.paho.client.mqttv3	1.1.1
org.eclipse.persistence	javax.persistence	2.1.1
org.eclipse.persistence	org.eclipse.persistence.core	2.6.6
org.eclipse.persistence	org.eclipse.persistence.jpa	2.6.6
org.ehcache	ehcache	3.2.3
org.ehcache	ehcache-clustered	3.2.3
org.ehcache	ehcache-transactions	3.2.3
org.elasticsearch	elasticsearch	2.4.6
org.firebirdsql.jdbc	jaybird-jdk16	2.2.14
org.firebirdsql.jdbc	jaybird-jdk17	2.2.14
org.firebirdsql.jdbc	jaybird-jdk18	2.2.14
org.flywaydb	flyway-core	3.2.1
org.freemarker	freemarker	2.3.28
org.glassfish.jersey.bundles.repackaged	jersey-guava	2.25.1
org.glassfish.jersey.containers	jersey-container-servlet	2.25.1
org.glassfish.jersey.containers	jersey-container-servlet-core	2.25.1
org.glassfish.jersey.core	jersey-client	2.25.1
org.glassfish.jersey.core	jersey-common	2.25.1
org.glassfish.jersey.core	jersey-server	2.25.1
org.glassfish.jersey.ext	jersey-bean-validation	2.25.1
org.glassfish.jersey.ext	jersey-entity-filtering	2.25.1
org.glassfish.jersey.ext	jersey-spring3	2.25.1
org.glassfish.jersey.media	jersey-media-jaxb	2.25.1

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org.glassfish.jersey.media	jersey-media-json-jackson	2.25.1
org.glassfish.jersey.media	jersey-media-multipart	2.25.1
org.glassfish.tyrus	tyrus-container-servlet	1.3.5
org.glassfish.tyrus	tyrus-core	1.3.5
org.glassfish.tyrus	tyrus-server	1.3.5
org.glassfish.tyrus	tyrus-spi	1.3.5
org.glassfish	javax.el	3.0.0
org.hamcrest	hamcrest-all	1.3
org.hamcrest	hamcrest-core	1.3
org.hamcrest	hamcrest-library	1.3
org.hibernate	hibernate-core	5.0.12.Final
org.hibernate	hibernate-ehcache	5.0.12.Final
org.hibernate	hibernate-entitymanager	5.0.12.Final
org.hibernate	hibernate-envers	5.0.12.Final
org.hibernate	hibernate-java8	5.0.12.Final
org.hibernate	hibernate-jpamodelgen	5.0.12.Final
org.hibernate	hibernate-validator	5.3.6.Final
org.hibernate	hibernate-validator-annotation-processor	5.3.6.Final
org.hsqldb	hsqldb	2.3.6
org.igniterealtime.smack	smack-extensions	4.1.9
org.igniterealtime.smack	smack-java7	4.1.9
org.igniterealtime.smack	smack-resolver-javax	4.1.9
org.igniterealtime.smack	smack-tcp	4.1.9
org.infinispan	infinispan-cachestore-jdbc	8.2.11.Final
org.infinispan	infinispan-cachestore-jpa	8.2.11.Final
org.infinispan	infinispan-cachestore-leveldb	8.2.11.Final
org.infinispan	infinispan-cachestore-remote	8.2.11.Final
org.infinispan	infinispan-cachestore-rest	8.2.11.Final
org.infinispan	infinispan-cdi-common	8.2.11.Final
org.infinispan	infinispan-cdi-embedded	8.2.11.Final

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org.infinispan	infinispan-cdi-remote	8.2.11.Final
org.infinispan	infinispan-cli	8.2.11.Final
org.infinispan	infinispan-client-hotrod	8.2.11.Final
org.infinispan	infinispan-commons	8.2.11.Final
org.infinispan	infinispan-core	8.2.11.Final
org.infinispan	infinispan-directory-provider	8.2.11.Final
org.infinispan	infinispan-embedded	8.2.11.Final
org.infinispan	infinispan-embedded-query	8.2.11.Final
org.infinispan	infinispan-jcache	8.2.11.Final
org.infinispan	infinispan-jcache-commons	8.2.11.Final
org.infinispan	infinispan-jcache-remote	8.2.11.Final
org.infinispan	infinispan-lucene-directory	8.2.11.Final
org.infinispan	infinispan-objectfilter	8.2.11.Final
org.infinispan	infinispan-osgi	8.2.11.Final
org.infinispan	infinispan-persistence-cli	8.2.11.Final
org.infinispan	infinispan-persistence-soft-index	8.2.11.Final
org.infinispan	infinispan-query	8.2.11.Final
org.infinispan	infinispan-query-dsl	8.2.11.Final
org.infinispan	infinispan-remote	8.2.11.Final
org.infinispan	infinispan-remote-query-client	8.2.11.Final
org.infinispan	infinispan-remote-query-server	8.2.11.Final
org.infinispan	infinispan-scripting	8.2.11.Final
org.infinispan	infinispan-server-core	8.2.11.Final
org.infinispan	infinispan-server-hotrod	8.2.11.Final
org.infinispan	infinispan-server-memcached	8.2.11.Final
org.infinispan	infinispan-server-websocket	8.2.11.Final
org.infinispan	infinispan-spring	8.2.11.Final
org.infinispan	infinispan-spring4-common	8.2.11.Final
org.infinispan	infinispan-spring4-embedded	8.2.11.Final
org.infinispan	infinispan-spring4-remote	8.2.11.Final

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org.infinispan	infinispan-tasks	8.2.11.Final
org.infinispan	infinispan-tasks-api	8.2.11.Final
org.infinispan	infinispan-tools	8.2.11.Final
org.infinispan	infinispan-tree	8.2.11.Final
org.jasig.cas.client	cas-client-core	3.4.1
org.javassist	javassist	3.21.0-GA
org.jboss.logging	jboss-logging	3.3.2.Final
org.jboss.narayana.jta	jdbc	5.5.34.Final
org.jboss.narayana.jta	jms	5.5.34.Final
org.jboss.narayana.jta	jta	5.5.34.Final
org.jboss.narayana.jts	narayana-jts-integration	5.5.34.Final
org.jboss	jboss-transaction-spi	7.6.0.Final
org.jdom	jdom2	2.0.6
org.jibx	jibx-run	1.3.1
org.jolokia	jolokia-core	1.3.7
org.jooq	jooq	3.9.6
org.jooq	jooq-codegen	3.9.6
org.jooq	jooq-meta	3.9.6
org.jredis	jredis-core-api	06052013
org.jredis	jredis-core-ri	06052013
org.jruby	jruby	1.7.27
org.json	json	20140107
org.liquibase	liquibase-core	3.5.5
org.mariadb.jdbc	mariadb-java-client	1.5.9
org.mockito	mockito-core	1.10.19
org.mongodb	mongo-java-driver	3.4.3
org.mongodb	mongodb-driver	3.4.3
org.mortbay.jasper	apache-el	8.0.33
org.neo4j	neo4j-ogm-api	2.1.6
org.neo4j	neo4j-ogm-compiler	2.1.6

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org.neo4j	neo4j-ogm-core	2.1.6
org.neo4j	neo4j-ogm-http-driver	2.1.6
org.objenesis	objenesis	2.5.1
org.openid4java	openid4java-nodeps	0.9.6
org.postgresql	postgresql	9.4.1212.jre7
org.projectlombok	lombok	1.16.22
org.quartz-scheduler	quartz	2.2.3
org.reactivestreams	reactive-streams	1.0.2
org.seleniumhq.selenium	htmlunit-driver	2.21
org.seleniumhq.selenium	selenium-api	2.53.1
org.seleniumhq.selenium	selenium-chrome-driver	2.53.1
org.seleniumhq.selenium	selenium-edge-driver	2.53.1
org.seleniumhq.selenium	selenium-firefox-driver	2.53.1
org.seleniumhq.selenium	selenium-ie-driver	2.53.1
org.seleniumhq.selenium	selenium-java	2.53.1
org.seleniumhq.selenium	selenium-remote-driver	2.53.1
org.seleniumhq.selenium	selenium-safari-driver	2.53.1
org.seleniumhq.selenium	selenium-support	2.53.1
org.skyscreamer	jsonassert	1.4.0
org.slf4j	jcl-over-slf4j	1.7.25
org.slf4j	jul-to-slf4j	1.7.25
org.slf4j	log4j-over-slf4j	1.7.25
org.slf4j	slf4j-api	1.7.25
org.slf4j	slf4j-ext	1.7.25
org.slf4j	slf4j-jcl	1.7.25
org.slf4j	slf4j-jdk14	1.7.25
org.slf4j	slf4j-log4j12	1.7.25
org.slf4j	slf4j-nop	1.7.25
org.slf4j	slf4j-simple	1.7.25
org.spockframework	spock-core	1.0-groovy-2.4

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org.spockframework	spock-spring	1.0-groovy-2.4
org.springframework.amqp	spring-amqp	1.7.12.RELEASE
org.springframework.amqp	spring-rabbit	1.7.12.RELEASE
org.springframework.amqp	spring-rabbit-junit	1.7.12.RELEASE
org.springframework.amqp	spring-rabbit-test	1.7.12.RELEASE
org.springframework.batch	spring-batch-core	3.0.10.RELEASE
org.springframework.batch	spring-batch-infrastructure	3.0.10.RELEASE
org.springframework.batch	spring-batch-integration	3.0.10.RELEASE
org.springframework.batch	spring-batch-test	3.0.10.RELEASE
org.springframework.boot	spring-boot	1.5.19.RELEASE
org.springframework.boot	spring-boot-actuator	1.5.19.RELEASE
org.springframework.boot	spring-boot-actuator-docs	1.5.19.RELEASE
org.springframework.boot	spring-boot-autoconfigure	1.5.19.RELEASE
org.springframework.boot	spring-boot-autoconfigure-processor	1.5.19.RELEASE
org.springframework.boot	spring-boot-configuration-metadata	1.5.19.RELEASE
org.springframework.boot	spring-boot-configuration-processor	1.5.19.RELEASE
org.springframework.boot	spring-boot-devtools	1.5.19.RELEASE
org.springframework.boot	spring-boot-loader	1.5.19.RELEASE
org.springframework.boot	spring-boot-loader-tools	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-activemq	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-actuator	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-amqp	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-aop	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-artemis	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-batch	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-cache	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-cloud-connectors	1.5.19.RELEASE

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org.springframework.boot	spring-boot-starter-data-cassandra	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-couchbase	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-elasticsearch	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-gemfire	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-jpa	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-ldap	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-mongodb	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-neo4j	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-redis	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-rest	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-data-solr	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-freemarker	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-groovy-templates	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-hateoas	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-integration	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jdbc	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jersey	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jetty	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jooq	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jta-atomikos	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jta-bitronix	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-jta-narayana	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-log4j2	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-logging	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-mail	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-mobile	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-mustache	1.5.19.RELEASE

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org.springframework.boot	spring-boot-starter-remote-shell	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-security	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-social-facebook	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-social-linkedin	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-social-twitter	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-test	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-thymeleaf	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-tomcat	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-undertow	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-validation	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-web	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-web-services	1.5.19.RELEASE
org.springframework.boot	spring-boot-starter-websocket	1.5.19.RELEASE
org.springframework.boot	spring-boot-test	1.5.19.RELEASE
org.springframework.boot	spring-boot-test-autoconfigure	1.5.19.RELEASE
org.springframework.cloud	spring-cloud-cloudfoundry-connector	1.2.7.RELEASE
org.springframework.cloud	spring-cloud-core	1.2.7.RELEASE
org.springframework.cloud	spring-cloud-heroku-connector	1.2.7.RELEASE
org.springframework.cloud	spring-cloud-localconfig-connector	1.2.7.RELEASE
org.springframework.cloud	spring-cloud-spring-service-connector	1.2.7.RELEASE
org.springframework.data	spring-cql	1.5.18.RELEASE
org.springframework.data	spring-data-cassandra	1.5.18.RELEASE
org.springframework.data	spring-data-commons	1.13.18.RELEASE
org.springframework.data	spring-data-couchbase	2.2.18.RELEASE
org.springframework.data	spring-data-elasticsearch	2.1.18.RELEASE
org.springframework.data	spring-data-envers	1.1.18.RELEASE

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org.springframework.data	spring-data-gemfire	1.9.18.RELEASE
org.springframework.data	spring-data-jpa	1.11.18.RELEASE
org.springframework.data	spring-data-keyvalue	1.2.18.RELEASE
org.springframework.data	spring-data-ldap	1.0.18.RELEASE
org.springframework.data	spring-data-mongodb	1.10.18.RELEASE
org.springframework.data	spring-data-mongodb-cross-store	1.10.18.RELEASE
org.springframework.data	spring-data-mongodb-log4j	1.10.18.RELEASE
org.springframework.data	spring-data-neo4j	4.2.18.RELEASE
org.springframework.data	spring-data-redis	1.8.18.RELEASE
org.springframework.data	spring-data-rest-core	2.6.18.RELEASE
org.springframework.data	spring-data-rest-hal-browser	2.6.18.RELEASE
org.springframework.data	spring-data-rest-webmvc	2.6.18.RELEASE
org.springframework.data	spring-data-solr	2.1.18.RELEASE
org.springframework.hateoas	spring-hateoas	0.23.0.RELEASE
org.springframework.integration	spring-integration-amqp	4.3.19.RELEASE
org.springframework.integration	spring-integration-core	4.3.19.RELEASE
org.springframework.integration	spring-integration-event	4.3.19.RELEASE
org.springframework.integration	spring-integration-feed	4.3.19.RELEASE
org.springframework.integration	spring-integration-file	4.3.19.RELEASE
org.springframework.integration	spring-integration-flow	1.0.0.RELEASE
org.springframework.integration	spring-integration-ftp	4.3.19.RELEASE
org.springframework.integration	spring-integration-gemfire	4.3.19.RELEASE
org.springframework.integration	spring-integration-groovy	4.3.19.RELEASE
org.springframework.integration	spring-integration-http	4.3.19.RELEASE
org.springframework.integration	spring-integration-ip	4.3.19.RELEASE
org.springframework.integration	spring-integration-java-dsl	1.2.3.RELEASE
org.springframework.integration	spring-integration-jdbc	4.3.19.RELEASE
org.springframework.integration	spring-integration-jms	4.3.19.RELEASE
org.springframework.integration	spring-integration-jmx	4.3.19.RELEASE
org.springframework.integration	spring-integration-jpa	4.3.19.RELEASE

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org.springframework.integration	spring-integration-kafka	2.1.2.RELEASE
org.springframework.integration	spring-integration-mail	4.3.19.RELEASE
org.springframework.integration	spring-integration-mongodb	4.3.19.RELEASE
org.springframework.integration	spring-integration-mqtt	4.3.19.RELEASE
org.springframework.integration	spring-integration-redis	4.3.19.RELEASE
org.springframework.integration	spring-integration-rmi	4.3.19.RELEASE
org.springframework.integration	spring-integration-scripting	4.3.19.RELEASE
org.springframework.integration	spring-integration-security	4.3.19.RELEASE
org.springframework.integration	spring-integration-sftp	4.3.19.RELEASE
org.springframework.integration	spring-integration-splunk	1.1.0.RELEASE
org.springframework.integration	spring-integration-stomp	4.3.19.RELEASE
org.springframework.integration	spring-integration-stream	4.3.19.RELEASE
org.springframework.integration	spring-integration-syslog	4.3.19.RELEASE
org.springframework.integration	spring-integration-test	4.3.19.RELEASE
org.springframework.integration	spring-integration-twitter	4.3.19.RELEASE
org.springframework.integration	spring-integration-websocket	4.3.19.RELEASE
org.springframework.integration	spring-integration-ws	4.3.19.RELEASE
org.springframework.integration	spring-integration-xml	4.3.19.RELEASE
org.springframework.integration	spring-integration-xmpp	4.3.19.RELEASE
org.springframework.integration	spring-integration-zookeeper	4.3.19.RELEASE
org.springframework.kafka	spring-kafka	1.1.8.RELEASE
org.springframework.kafka	spring-kafka-test	1.1.8.RELEASE
org.springframework.ldap	spring-ldap-core	2.3.2.RELEASE
org.springframework.ldap	spring-ldap-core-tiger	2.3.2.RELEASE
org.springframework.ldap	spring-ldap-ldif-batch	2.3.2.RELEASE
org.springframework.ldap	spring-ldap-ldif-core	2.3.2.RELEASE
org.springframework.ldap	spring-ldap-odm	2.3.2.RELEASE
org.springframework.ldap	spring-ldap-test	2.3.2.RELEASE
org.springframework.mobile	spring-mobile-device	1.1.5.RELEASE
org.springframework.plugin	spring-plugin-core	1.2.0.RELEASE

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org.springframework.plugin	spring-plugin-metadata	1.2.0.RELEASE
org.springframework.restdocs	spring-restdocs-core	1.1.3.RELEASE
org.springframework.restdocs	spring-restdocs-mockmvc	1.1.3.RELEASE
org.springframework.restdocs	spring-restdocs-restassured	1.1.3.RELEASE
org.springframework.retry	spring-retry	1.2.3.RELEASE
org.springframework.security.oauth	spring-security-oauth	2.0.16.RELEASE
org.springframework.security.oauth	spring-security-oauth2	2.0.16.RELEASE
org.springframework.security	spring-security-acl	4.2.11.RELEASE
org.springframework.security	spring-security-aspects	4.2.11.RELEASE
org.springframework.security	spring-security-cas	4.2.11.RELEASE
org.springframework.security	spring-security-config	4.2.11.RELEASE
org.springframework.security	spring-security-core	4.2.11.RELEASE
org.springframework.security	spring-security-crypto	4.2.11.RELEASE
org.springframework.security	spring-security-data	4.2.11.RELEASE
org.springframework.security	spring-security-jwt	1.0.9.RELEASE
org.springframework.security	spring-security-ldap	4.2.11.RELEASE
org.springframework.security	spring-security-messaging	4.2.11.RELEASE
org.springframework.security	spring-security-openid	4.2.11.RELEASE
org.springframework.security	spring-security-remoting	4.2.11.RELEASE
org.springframework.security	spring-security-taglibs	4.2.11.RELEASE
org.springframework.security	spring-security-test	4.2.11.RELEASE
org.springframework.security	spring-security-web	4.2.11.RELEASE
org.springframework.session	spring-session	1.3.5.RELEASE
org.springframework.session	spring-session-data-gemfire	1.3.5.RELEASE
org.springframework.session	spring-session-data-mongo	1.3.5.RELEASE
org.springframework.session	spring-session-data-redis	1.3.5.RELEASE
org.springframework.session	spring-session-hazelcast	1.3.5.RELEASE
org.springframework.session	spring-session-jdbc	1.3.5.RELEASE
org.springframework.social	spring-social-config	1.1.6.RELEASE
org.springframework.social	spring-social-core	1.1.6.RELEASE

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org.springframework.social	spring-social-facebook	2.0.3.RELEASE
org.springframework.social	spring-social-facebook-web	2.0.3.RELEASE
org.springframework.social	spring-social-linkedin	1.0.2.RELEASE
org.springframework.social	spring-social-security	1.1.6.RELEASE
org.springframework.social	spring-social-twitter	1.1.2.RELEASE
org.springframework.social	spring-social-web	1.1.6.RELEASE
org.springframework.webflow	spring-binding	2.4.8.RELEASE
org.springframework.webflow	spring-faces	2.4.8.RELEASE
org.springframework.webflow	spring-js	2.4.8.RELEASE
org.springframework.webflow	spring-js-resources	2.4.8.RELEASE
org.springframework.webflow	spring-webflow	2.4.8.RELEASE
org.springframework.ws	spring-ws-core	2.4.4.RELEASE
org.springframework.ws	spring-ws-security	2.4.4.RELEASE
org.springframework.ws	spring-ws-support	2.4.4.RELEASE
org.springframework.ws	spring-ws-test	2.4.4.RELEASE
org.springframework.ws	spring-xml	2.4.4.RELEASE
org.springframework	spring-aop	4.3.22.RELEASE
org.springframework	spring-aspects	4.3.22.RELEASE
org.springframework	spring-beans	4.3.22.RELEASE
org.springframework	spring-context	4.3.22.RELEASE
org.springframework	spring-context-support	4.3.22.RELEASE
org.springframework	spring-core	4.3.22.RELEASE
org.springframework	spring-expression	4.3.22.RELEASE
org.springframework	spring-instrument	4.3.22.RELEASE
org.springframework	spring-instrument-tomcat	4.3.22.RELEASE
org.springframework	spring-jdbc	4.3.22.RELEASE
org.springframework	spring-jms	4.3.22.RELEASE
org.springframework	spring-messaging	4.3.22.RELEASE
org.springframework	spring-orm	4.3.22.RELEASE
org.springframework	spring-oxm	4.3.22.RELEASE

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org.springframework	spring-test	4.3.22.RELEASE
org.springframework	spring-tx	4.3.22.RELEASE
org.springframework	spring-web	4.3.22.RELEASE
org.springframework	spring-webmvc	4.3.22.RELEASE
org.springframework	spring-webmvc-portlet	4.3.22.RELEASE
org.springframework	spring-websocket	4.3.22.RELEASE
org.springframework	springloaded	1.2.8.RELEASE
org.testng	testng	6.10
org.threeten	threetenbp	1.3.8
org.thymeleaf.extras	thymeleaf-extras-conditionalcomments	2.1.2.RELEASE
org.thymeleaf.extras	thymeleaf-extras-java8time	2.1.0.RELEASE
org.thymeleaf.extras	thymeleaf-extras-springsecurity4	2.1.3.RELEASE
org.thymeleaf	thymeleaf	2.1.6.RELEASE
org.thymeleaf	thymeleaf-spring4	2.1.6.RELEASE
org.webjars	hal-browser	9f96c74
org.webjars	json-editor	0.7.21
org.webjars	webjars-locator	0.32-1
org.xerial.snappy	snappy-java	1.1.2.6
org.xerial	sqlite-jdbc	3.15.1
org.xmlbeam	xmlprojector	1.4.16
org.yaml	snakeyaml	1.17
org.zeromq	jeromq	0.3.4
redis.clients	jedis	2.9.1
velocity-tools	velocity-tools-view	1.4
wSDL4J	wSDL4J	1.6.3
xml-apis	xml-apis	1.4.01
xmlunit	xmlunit	1.6
xom	xom	1.2.5