

Spring IO Platform Reference Guide

Cairo-RC1

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Table of Contents

I. Spring IO Platform Documentation	1
1. About the documentation	2
2. Getting help	3
II. Getting Started	4
3. Introducing Spring IO Platform	5
4. Using Spring IO Platform	6
4.1. Using Spring IO Platform with Maven	6
4.2. Using Spring IO Platform with Gradle	8
5. Overriding Spring IO Platform's dependency management	9
5.1. Overriding a version using Maven	9
5.2. Overriding a version using Gradle	9
5.3. Logging	9
III. Upgrading	10
6. Changes to dependency management	11
6.1. Dependency management that has been removed	11
6.2. Dependency management that has been replaced	14
IV. Maintenance	15
7. Adding dependencies	16
8. Release cycle	17
V. Known issues	18
9. Guava	19
VI. Appendices	20
A. Dependency versions	21

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>Cairo-RC1</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-milestones</id>
      <url>http://repo.spring.io/libs-milestone</url>
    </repository>
  </repositories>
  <pluginRepositories>
    <pluginRepository>
      <id>spring-milestones</id>
      <url>http://repo.spring.io/libs-milestone</url>
    </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>Cairo-RC1</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-milestones</id>
    <url>http://repo.spring.io/libs-milestone</url>
  </repository>
</repositories>
<pluginRepositories>
  <pluginRepository>
    <id>spring-milestones</id>
    <url>http://repo.spring.io/libs-milestone</url>
  </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-milestone' }
}

dependencyManagement {
    imports {
        mavenBom 'io.spring.platform:platform-bom:Cairo-RC1'
    }
}
```

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>commons-dbcg:commons-dbcg</code>	No longer a direct dependency of any of the Platform's projects
<code>commons-digester:commons-digester</code>	No longer a direct dependency of any of the Platform's projects
<code>com.esotericsoftware:kryo</code>	No longer a direct dependency of any of the Platform's projects
<code>com.gemstone.gemfire:gemfire</code>	No longer a direct dependency of any of the Platform's projects
<code>com.github.spullara.redis:client</code>	No longer a direct dependency of any of the Platform's projects
<code>com.goldmansachs:gs-collections</code>	No longer a direct dependency of any of the Platform's projects
<code>com.google.code.findbugs:annotations</code>	No longer a direct dependency of any of the Platform's projects
<code>com.jayway.restassured:rest-assured</code>	No longer a direct dependency of any of the Platform's projects
<code>com.lowagie:itext</code>	No longer a direct dependency of any of the Platform's projects
<code>com.rometools:rome-fetcher</code>	No longer a direct dependency of any of the Platform's projects
<code>com.splunk:splunk</code>	No longer a direct dependency of any of the Platform's projects
<code>com.squareup.okhttp:okhttp</code>	No longer a direct dependency of any of the Platform's projects
<code>com.zaxxer:HikariCP-java6</code>	The Platform now requires Java 8
<code>io.projectreactor.spring:reactor-spring-context</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor.spring:reactor-spring-core</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor.spring:reactor-spring-messaging</code>	Does not exist in the version of Reactor that is now used by the Platform

Dependency	Explanation
<code>io.projectreactor.spring:reactor-spring-webmvc</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-bus</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-groovy</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-groovy-extensions</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-logback</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-net</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>io.projectreactor:reactor-stream</code>	Does not exist in the version of Reactor that is now used by the Platform
<code>javax.jdo:jdo-api</code>	No longer a direct dependency of any of the Platform's projects
<code>javax.portlet:portlet-api</code>	No longer a direct dependency of any of the Platform's projects
<code>javax.resource:connector-api</code>	No longer a direct dependency of any of the Platform's projects
<code>net.openhft:chronicle</code>	No longer a direct dependency of any of the Platform's projects
<code>net.openhft:lang</code>	No longer a direct dependency of any of the Platform's projects
<code>net.sf.jasperreports:jasperreports</code>	No longer a direct dependency of any of the Platform's projects
<code>net.sourceforge.jexcelapi:jxl</code>	No longer a direct dependency of any of the Platform's projects
<code>opensymphony:ognl</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.tiles:tiles-request-api</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.tomcat:tomcat-catalina</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.velocity:velocity</code>	No longer a direct dependency of any of the Platform's projects

Dependency	Explanation
<code>org.apache.ws.security:wss4j</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.xmlbeans:xmlbeans</code>	No longer a direct dependency of any of the Platform's projects
<code>org.codehaus.woodstox:woodstox-core-asl</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.cli</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.connectors.ssh</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.connectors.telnet</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.embed.spring</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.plugins.cron</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.plugins.mail</code>	No longer a direct dependency of any of the Platform's projects
<code>org.crashub:crash.shell</code>	No longer a direct dependency of any of the Platform's projects
<code>org.apache.ibatis:ibatis-sqlmap</code>	No longer a direct dependency of any of the Platform's projects
<code>org.jredis:jredis-core-api</code>	No longer a direct dependency of any of the Platform's projects
<code>org.jredis:jredis-core-ri</code>	No longer a direct dependency of any of the Platform's projects
<code>org.jruby:jruby</code>	No longer a direct dependency of any of the Platform's projects
<code>org.springframework.boot:spring-boot-starter-data-gemfire</code>	Does not exist in the version of Spring Boot that is now used by the Platform
<code>org.springframework.boot:spring-boot-starter-remote-shell</code>	Does not exist in the version of Spring Boot that is now used by the Platform
<code>org.springframework.data:spring-cql</code>	Now included in the <code>org.springframework.data:spring-data-cassandra</code> module
<code>org.springframework.integration:spring-integration-java-dsl</code>	As of Spring Integration 5, the Java DSL is included in <code>spring-integration-core</code>

Dependency	Explanation
<code>org.springframework:springloaded</code>	Spring Loaded has been moved to the attic and is no longer being actively maintained
<code>org.springframework:spring-instrument-tomcat</code>	Does not exist in the version of Spring Framework that is now used by the Platform
<code>org.springframework:spring-webmvc-portlet</code>	Does not exist in the version of Spring Framework that is now used by the Platform
<code>org.springframework.webflow:spring-js</code>	Does not exist in the version of Spring Web Flow that is now used by the Platform
<code>org.springframework.webflow:spring-js-resources</code>	Does not exist in the version of Spring Web Flow that is now used by the Platform
<code>org.xerial.snappy:snappy-java</code>	No longer a direct dependency of any of the Platform's projects
<code>org.zeromq:jeromq</code>	No longer a direct dependency of any of the Platform's projects
<code>velocity-tools:velocity-tools-view</code>	No longer a direct dependency of any of the Platform's projects

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>javax.jms:jms-api</code>	<code>javax.jms:javax.jms-api</code>

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
ch.qos.logback	logback-access	1.2.3
ch.qos.logback	logback-classic	1.2.3
ch.qos.logback	logback-core	1.2.3
com.atomikos	transactions-jdbc	4.0.6
com.atomikos	transactions-jms	4.0.6
com.atomikos	transactions-jta	4.0.6
com.caucho	hessian	4.0.51
com.couchbase.client	couchbase-spring-cache	2.1.0
com.couchbase.client	java-client	2.5.5
com.datastax.cassandra	cassandra-driver-core	3.4.0
com.datastax.cassandra	cassandra-driver-mapping	3.4.0
com.esotericsoftware	kryo-shaded	3.0.3
com.fasterxml.jackson.core	jackson-annotations	2.9.0
com.fasterxml.jackson.core	jackson-core	2.9.4
com.fasterxml.jackson.core	jackson-databind	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-avro	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-cbor	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-csv	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-ion	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-properties	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-protobuf	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-smile	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-xml	2.9.4
com.fasterxml.jackson.dataformat	jackson-dataformat-yaml	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-guava	2.9.4

Group	Artifact	Version
com.fasterxml.jackson.datatype	jackson-datatype-hibernate3	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-hibernate4	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-hibernate5	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-hppc	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-jaxrs	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-jdk8	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-joda	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-json-org	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-jsr310	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-jsr353	2.9.4
com.fasterxml.jackson.datatype	jackson-datatype-pcollections	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-base	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-cbor-provider	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-json-provider	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-smile-provider	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-xml-provider	2.9.4
com.fasterxml.jackson.jaxrs	jackson-jaxrs-yaml-provider	2.9.4
com.fasterxml.jackson.jr	jackson-jr-all	2.9.4
com.fasterxml.jackson.jr	jackson-jr-objects	2.9.4
com.fasterxml.jackson.jr	jackson-jr-retrofit2	2.9.4
com.fasterxml.jackson.jr	jackson-jr-stree	2.9.4
com.fasterxml.jackson.module	jackson-module-afterburner	2.9.4
com.fasterxml.jackson.module	jackson-module-guice	2.9.4
com.fasterxml.jackson.module	jackson-module-jaxb-annotations	2.9.4
com.fasterxml.jackson.module	jackson-module-jsonSchema	2.9.4
com.fasterxml.jackson.module	jackson-module-kotlin	2.9.4
com.fasterxml.jackson.module	jackson-module-mrbean	2.9.4
com.fasterxml.jackson.module	jackson-module-osgi	2.9.4
com.fasterxml.jackson.module	jackson-module-parameter-names	2.9.4

Group	Artifact	Version
com.fasterxml.jackson.module	jackson-module-paranamer	2.9.4
com.fasterxml.jackson.module	jackson-module-scala_2.10	2.9.4
com.fasterxml.jackson.module	jackson-module-scala_2.11	2.9.4
com.fasterxml.jackson.module	jackson-module-scala_2.12	2.9.4
com.fasterxml.woodstox	woodstox-core	5.0.3
com.fasterxml	aalto-xml	1.0.0
com.fasterxml	classmate	1.3.4
com.github.ben-manes.caffeine	caffeine	2.6.2
com.github.librepdf	openpdf	1.0.5
com.github.mxab.thymeleaf.extras	thymeleaf-extras-data-attribute	2.0.1
com.google.appengine	appengine-api-1.0-sdk	1.9.62
com.google.code.findbugs	jsr305	3.0.2
com.google.code.gson	gson	2.8.2
com.google.code.typica	typica	1.3
com.google.guava	guava	20.0
com.google.inject	guice	3.0
com.google.protobuf	protobuf-java	3.5.1
com.google.protobuf	protobuf-java-util	3.5.1
com.googlecode.json-simple	json-simple	1.1.1
com.googlecode.protobuf-java-format	protobuf-java-format	1.4
com.h2database	h2	1.4.196
com.hazelcast	hazelcast	3.9.3
com.hazelcast	hazelcast-client	3.9.3
com.hazelcast	hazelcast-hibernate52	1.2.3
com.hazelcast	hazelcast-spring	3.9.3
com.ibm.jbatch	com.ibm.jbatch-tck-spi	1.0
com.ibm.websphere	uow	6.0.2.17
com.jamonapi	jamon	2.81
com.jayway.jsonpath	json-path	2.4.0
com.jayway.jsonpath	json-path-assert	2.4.0

Group	Artifact	Version
com.jcraft	jsch	0.1.54
com.microsoft.sqlserver	mssql-jdbc	6.2.2.jre8
com.nimbusds	nimbus-jose-jwt	5.1
com.nimbusds	oauth2-oidc-sdk	5.54
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	5.1.2
com.rabbitmq	http-client	2.0.1.RELEASE
com.rometools	rome	1.9.0
com.rometools	rome-certiozem	1.9.0
com.rometools	rome-fetcher	1.9.0
com.rometools	rome-modules	1.9.0
com.rometools	rome-opml	1.9.0
com.rometools	rome-propono	1.9.0
com.samskivert	jmustache	1.14
com.sendgrid	sendgrid-java	4.1.2
com.squareup.okhttp3	okhttp	3.10.0
com.sun.facelets	jsf-facelets	1.1.14
com.sun.faces	jsf-api	2.2.16
com.sun.faces	jsf-impl	2.2.16
com.sun.mail	imap	1.6.1
com.sun.mail	javax.mail	1.6.1
com.sun.xml.messaging.saaj	saaj-impl	1.4.0
com.sun.xml.wss	xws-security	3.0
com.sun	ldapbp	1.0
com.thoughtworks.xstream	xstream	1.4.10
com.timgroup	java-statsd-client	3.1.0

Group	Artifact	Version
com.unboundid	unboundid-ldapsdk	4.0.4
com.zaxxer	HikariCP	2.7.8
commons-beanutils	commons-beanutils	1.9.3
commons-cli	commons-cli	1.4
commons-codec	commons-codec	1.11
commons-collections	commons-collections	3.2.2
commons-fileupload	commons-fileupload	1.3.3
commons-httpclient	commons-httpclient	3.1
commons-io	commons-io	2.6
commons-lang	commons-lang	2.6
commons-logging	commons-logging	1.2
commons-net	commons-net	3.6
commons-pool	commons-pool	1.6
de.flapdoodle.embed	de.flapdoodle.embed.mongo	2.0.3
dom4j	dom4j	1.6.1
io.dropwizard.metrics	metrics-annotation	3.2.6
io.dropwizard.metrics	metrics-core	3.2.6
io.dropwizard.metrics	metrics-ehcache	3.2.6
io.dropwizard.metrics	metrics-ganglia	3.2.6
io.dropwizard.metrics	metrics-graphite	3.2.6
io.dropwizard.metrics	metrics-healthchecks	3.2.6
io.dropwizard.metrics	metrics-httpasyncclient	3.2.6
io.dropwizard.metrics	metrics-jdbi	3.2.6
io.dropwizard.metrics	metrics-jersey	3.2.6
io.dropwizard.metrics	metrics-jersey2	3.2.6
io.dropwizard.metrics	metrics-jetty8	3.2.6
io.dropwizard.metrics	metrics-jetty9	3.2.6
io.dropwizard.metrics	metrics-jetty9-legacy	3.2.6
io.dropwizard.metrics	metrics-json	3.2.6
io.dropwizard.metrics	metrics-jvm	3.2.6

Group	Artifact	Version
io.dropwizard.metrics	metrics-log4j	3.2.6
io.dropwizard.metrics	metrics-log4j2	3.2.6
io.dropwizard.metrics	metrics-logback	3.2.6
io.dropwizard.metrics	metrics-servlet	3.2.6
io.dropwizard.metrics	metrics-servlets	3.2.6
io.fastjson	boon	0.34
io.javaslang	javaslang	2.0.6
io.javaslang	javaslang-match	2.0.6
io.lettuce	lettuce-core	5.0.2.RELEASE
io.micrometer	micrometer-core	1.0.1
io.micrometer	micrometer-registry-atlas	1.0.1
io.micrometer	micrometer-registry-datadog	1.0.1
io.micrometer	micrometer-registry-ganglia	1.0.1
io.micrometer	micrometer-registry-graphite	1.0.1
io.micrometer	micrometer-registry-influx	1.0.1
io.micrometer	micrometer-registry-jmx	1.0.1
io.micrometer	micrometer-registry-new-relic	1.0.1
io.micrometer	micrometer-registry-prometheus	1.0.1
io.micrometer	micrometer-registry-signalfx	1.0.1
io.micrometer	micrometer-registry-statsd	1.0.1
io.micrometer	micrometer-registry-wavefront	1.0.1
io.netty	netty-all	4.1.22.Final
io.netty	netty-buffer	4.1.22.Final
io.netty	netty-codec	4.1.22.Final
io.netty	netty-codec-dns	4.1.22.Final
io.netty	netty-codec-haproxy	4.1.22.Final
io.netty	netty-codec-http	4.1.22.Final
io.netty	netty-codec-http2	4.1.22.Final
io.netty	netty-codec-memcache	4.1.22.Final
io.netty	netty-codec-mqtt	4.1.22.Final

Group	Artifact	Version
io.netty	netty-codec-redis	4.1.22.Final
io.netty	netty-codec-smtp	4.1.22.Final
io.netty	netty-codec-socks	4.1.22.Final
io.netty	netty-codec-stomp	4.1.22.Final
io.netty	netty-codec-xml	4.1.22.Final
io.netty	netty-common	4.1.22.Final
io.netty	netty-dev-tools	4.1.22.Final
io.netty	netty-example	4.1.22.Final
io.netty	netty-handler	4.1.22.Final
io.netty	netty-handler-proxy	4.1.22.Final
io.netty	netty-resolver	4.1.22.Final
io.netty	netty-resolver-dns	4.1.22.Final
io.netty	netty-transport	4.1.22.Final
io.netty	netty-transport-native-epoll	4.1.22.Final
io.netty	netty-transport-native-kqueue	4.1.22.Final
io.netty	netty-transport-native-unix-common	4.1.22.Final
io.netty	netty-transport-rxtx	4.1.22.Final
io.netty	netty-transport-sctp	4.1.22.Final
io.netty	netty-transport-udt	4.1.22.Final
io.pivotal.gemfire	geode-common	9.1.1
io.pivotal.gemfire	geode-core	9.1.1
io.pivotal.gemfire	geode-cq	9.1.1
io.pivotal.gemfire	geode-json	9.1.1
io.pivotal.gemfire	geode-junit	9.1.1
io.pivotal.gemfire	geode-lucene	9.1.1
io.pivotal.gemfire	geode-old-client-support	9.1.1
io.pivotal.gemfire	geode-pulse	9.1.1
io.pivotal.gemfire	geode-rebalancer	9.1.1
io.pivotal.gemfire	geode-wan	9.1.1
io.pivotal.gemfire	geode-web	9.1.1

Group	Artifact	Version
io.pivotal.gemfire	geode-web-api	9.1.1
io.projectreactor.addons	reactor-adapter	3.1.6.RELEASE
io.projectreactor.addons	reactor-extra	3.1.6.RELEASE
io.projectreactor.addons	reactor-logback	3.1.6.RELEASE
io.projectreactor.ipc	reactor-netty	0.7.5.RELEASE
io.projectreactor.kafka	reactor-kafka	1.0.0.RELEASE
io.projectreactor	reactor-core	3.1.5.RELEASE
io.projectreactor	reactor-test	3.1.5.RELEASE
io.reactivex.rxjava2	rxjava	2.1.10
io.reactivex	rxjava	1.3.6
io.reactivex	rxjava-reactive-streams	1.2.1
io.rest-assured	json-path	3.0.7
io.rest-assured	json-schema-validator	3.0.7
io.rest-assured	rest-assured	3.0.7
io.rest-assured	scala-support	3.0.7
io.rest-assured	spring-mock-mvc	3.0.7
io.rest-assured	xml-path	3.0.7
io.searchbox	jest	5.3.3
io.undertow	undertow-core	1.4.22.Final
io.undertow	undertow-servlet	1.4.22.Final
io.undertow	undertow-websockets-jsr	1.4.22.Final
io.vavr	vavr	0.9.2
javax.activation	activation	1.1.1
javax.annotation	javax.annotation-api	1.3.2
javax.annotation	jsr250-api	1.0
javax.batch	javax.batch-api	1.0.1
javax.cache	cache-api	1.1.0
javax.ejb	javax.ejb-api	3.2
javax.el	javax.el-api	3.0.1-b04
javax.enterprise.concurrent	javax.enterprise.concurrent-api	1.0

Group	Artifact	Version
javax.enterprise	cdi-api	1.2
javax.faces	javax.faces-api	2.2
javax.inject	javax.inject	1
javax.interceptor	javax.interceptor-api	1.2.1
javax.jms	javax.jms-api	2.0.1
javax.json.bind	javax.json.bind-api	1.0
javax.json	javax.json-api	1.1.2
javax.mail	javax.mail-api	1.6.1
javax.money	money-api	1.0.1
javax.resource	javax.resource-api	1.7
javax.servlet.jsp.jstl	javax.servlet.jsp.jstl-api	1.2.1
javax.servlet.jsp	javax.servlet.jsp-api	2.3.2-b02
javax.servlet	javax.servlet-api	3.1.0
javax.servlet	jstl	1.2
javax.transaction	javax.transaction-api	1.2
javax.validation	validation-api	2.0.1.Final
javax.websocket	javax.websocket-api	1.1
javax.ws.rs	javax.ws.rs-api	2.0.1
javax.xml.bind	jaxb-api	2.3.0
javax.xml.ws	jaxws-api	2.3.0
jaxen	jaxen	1.1.6
jline	jline	2.14.5
joda-time	joda-time	2.9.9
junit	junit	4.12
ldapsdk	ldapsdk	4.1
log4j	log4j	1.2.17
mysql	mysql-connector-java	5.1.45
net.bytebuddy	byte-buddy	1.7.10
net.bytebuddy	byte-buddy-agent	1.7.10
net.java.dev.jna	jna	4.5.1

Group	Artifact	Version
net.java.dev.jna	jna-platform	4.5.1
net.sf.ehcache	ehcache	2.10.4
net.sf.jopt-simple	jopt-simple	5.0.4
net.sourceforge.htmlunit	htmlunit	2.29
net.sourceforge.jtids	jtids	1.3.1
net.sourceforge.nekohtml	nekohtml	1.9.22
nz.net.ultraq.thymeleaf	thymeleaf-layout-dialect	2.3.0
org.apache.activemq	activemq-amqp	5.15.3
org.apache.activemq	activemq-blueprint	5.15.3
org.apache.activemq	activemq-broker	5.15.3
org.apache.activemq	activemq-camel	5.15.3
org.apache.activemq	activemq-client	5.15.3
org.apache.activemq	activemq-console	5.15.3
org.apache.activemq	activemq-http	5.15.3
org.apache.activemq	activemq-jaas	5.15.3
org.apache.activemq	activemq-jdbc-store	5.15.3
org.apache.activemq	activemq-jms-pool	5.15.3
org.apache.activemq	activemq-kahadb-store	5.15.3
org.apache.activemq	activemq-karaf	5.15.3
org.apache.activemq	activemq-leveldb-store	5.15.3
org.apache.activemq	activemq-log4j-appender	5.15.3
org.apache.activemq	activemq-mqtt	5.15.3
org.apache.activemq	activemq-openwire-generator	5.15.3
org.apache.activemq	activemq-openwire-legacy	5.15.3
org.apache.activemq	activemq-osgi	5.15.3
org.apache.activemq	activemq-partition	5.15.3
org.apache.activemq	activemq-pool	5.15.3
org.apache.activemq	activemq-ra	5.15.3
org.apache.activemq	activemq-run	5.15.3
org.apache.activemq	activemq-runtime-config	5.15.3

Group	Artifact	Version
org.apache.activemq	activemq-shiro	5.15.3
org.apache.activemq	activemq-spring	5.15.3
org.apache.activemq	activemq-stomp	5.15.3
org.apache.activemq	activemq-web	5.15.3
org.apache.activemq	artemis-amqp-protocol	2.4.0
org.apache.activemq	artemis-commons	2.4.0
org.apache.activemq	artemis-core-client	2.4.0
org.apache.activemq	artemis-jms-client	2.4.0
org.apache.activemq	artemis-jms-server	2.4.0
org.apache.activemq	artemis-journal	2.4.0
org.apache.activemq	artemis-native	2.4.0
org.apache.activemq	artemis-selector	2.4.0
org.apache.activemq	artemis-server	2.4.0
org.apache.activemq	artemis-service-extensions	2.4.0
org.apache.commons	commons-dbcp2	2.2.0
org.apache.commons	commons-lang3	3.7
org.apache.commons	commons-pool2	2.5.0
org.apache.curator	curator-recipes	2.12.0
org.apache.derby	derby	10.14.1.0
org.apache.derby	derbyclient	10.14.1.0
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.geode	geode-common	1.2.1
org.apache.geode	geode-core	1.2.1
org.apache.geode	geode-cq	1.2.1
org.apache.geode	geode-json	1.2.1

Group	Artifact	Version
org.apache.geode	geode-junit	1.2.1
org.apache.geode	geode-lucene	1.2.1
org.apache.geode	geode-old-client-support	1.2.1
org.apache.geode	geode-pulse	1.2.1
org.apache.geode	geode-rebalancer	1.2.1
org.apache.geode	geode-wan	1.2.1
org.apache.geode	geode-web	1.2.1
org.apache.geode	geode-web-api	1.2.1
org.apache.httpcomponents	fluent-hc	4.5.5
org.apache.httpcomponents	httpasyncclient	4.1.3
org.apache.httpcomponents	httpclient	4.5.5
org.apache.httpcomponents	httpclient-cache	4.5.5
org.apache.httpcomponents	httpclient-osgi	4.5.5
org.apache.httpcomponents	httpclient-win	4.5.5
org.apache.httpcomponents	httpcore	4.4.9
org.apache.httpcomponents	httpcore-nio	4.4.9
org.apache.httpcomponents	httpmime	4.5.5
org.apache.johnzon	johnzon-jsonb	1.1.6
org.apache.kafka	kafka-clients	1.0.1
org.apache.kafka	kafka-streams	1.0.1
org.apache.kafka	kafka_2.11	1.0.1
org.apache.logging.log4j	log4j-1.2-api	2.10.0
org.apache.logging.log4j	log4j-api	2.10.0
org.apache.logging.log4j	log4j-cassandra	2.10.0
org.apache.logging.log4j	log4j-core	2.10.0
org.apache.logging.log4j	log4j-couchdb	2.10.0
org.apache.logging.log4j	log4j-flume-ng	2.10.0
org.apache.logging.log4j	log4j-iostreams	2.10.0
org.apache.logging.log4j	log4j-jcl	2.10.0
org.apache.logging.log4j	log4j-jmx-gui	2.10.0

Group	Artifact	Version
org.apache.logging.log4j	log4j-jul	2.10.0
org.apache.logging.log4j	log4j-liquibase	2.10.0
org.apache.logging.log4j	log4j-mongodb	2.10.0
org.apache.logging.log4j	log4j-slf4j-impl	2.10.0
org.apache.logging.log4j	log4j-taglib	2.10.0
org.apache.logging.log4j	log4j-to-slf4j	2.10.0
org.apache.logging.log4j	log4j-web	2.10.0
org.apache.myfaces.core	myfaces-impl	2.3.0
org.apache.openjpa	openjpa	2.4.2
org.apache.openjpa	openjpa-persistence-jdbc	2.4.2
org.apache.poi	poi	3.17
org.apache.poi	poi-ooxml	3.17
org.apache.poi	poi-scratchpad	3.17
org.apache.shiro	shiro-core	1.4.0
org.apache.shiro	shiro-spring	1.4.0
org.apache.shiro	shiro-web	1.4.0
org.apache.solr	solr-analysis-extras	6.6.2
org.apache.solr	solr-analytics	6.6.2
org.apache.solr	solr-cell	6.6.2
org.apache.solr	solr-clustering	6.6.2
org.apache.solr	solr-core	6.6.2
org.apache.solr	solr-dataimporthandler	6.6.2
org.apache.solr	solr-dataimporthandler-extras	6.6.2
org.apache.solr	solr-langid	6.6.2
org.apache.solr	solr-solrj	6.6.2
org.apache.solr	solr-test-framework	6.6.2
org.apache.solr	solr-uima	6.6.2
org.apache.solr	solr-velocity	6.6.2
org.apache.taglibs	taglibs-standard-impl	1.2.5
org.apache.taglibs	taglibs-standard-jstlel	1.2.5

Group	Artifact	Version
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-servlet	3.0.8
org.apache.tomcat.embed	tomcat-embed-core	8.5.28
org.apache.tomcat.embed	tomcat-embed-el	8.5.28
org.apache.tomcat.embed	tomcat-embed-jasper	8.5.28
org.apache.tomcat.embed	tomcat-embed-websocket	8.5.28
org.apache.tomcat	tomcat-annotations-api	8.5.28
org.apache.tomcat	tomcat-catalina-jmx-remote	8.5.28
org.apache.tomcat	tomcat-dbc	8.5.28
org.apache.tomcat	tomcat-jdbc	8.5.28
org.apache.tomcat	tomcat-jsp-api	8.5.28
org.apache.tomcat	tomcat-websocket	8.5.28
org.apache.ws.commons.axiom	axiom-api	1.2.20
org.apache.ws.commons.axiom	axiom-impl	1.2.20
org.apache.ws.xmlschema	xmlschema-core	2.2.3
org.apache.wss4j	wss4j-ws-security-common	2.2.1
org.apache.wss4j	wss4j-ws-security-dom	2.2.1
org.aspectj	aspectjrt	1.8.13
org.aspectj	aspectjtools	1.8.13
org.aspectj	aspectjweaver	1.8.13
org.assertj	assertj-core	3.9.1
org.atteo	evo-inflector	1.2.2
org.beanshell	bsh	2.0b5
org.bouncycastle	bcpkix-jdk15on	1.59
org.codehaus.btm	btm	2.1.4

Group	Artifact	Version
org.codehaus.castor	castor-xml	1.4.1
org.codehaus.fabric3.api	commonj	1.1.1
org.codehaus.groovy	groovy	2.4.13
org.codehaus.groovy	groovy-all	2.4.13
org.codehaus.groovy	groovy-ant	2.4.13
org.codehaus.groovy	groovy-bsf	2.4.13
org.codehaus.groovy	groovy-console	2.4.13
org.codehaus.groovy	groovy-docgenerator	2.4.13
org.codehaus.groovy	groovy-groovydoc	2.4.13
org.codehaus.groovy	groovy-groovysh	2.4.13
org.codehaus.groovy	groovy-jmx	2.4.13
org.codehaus.groovy	groovy-json	2.4.13
org.codehaus.groovy	groovy-jsr223	2.4.13
org.codehaus.groovy	groovy-nio	2.4.13
org.codehaus.groovy	groovy-servlet	2.4.13
org.codehaus.groovy	groovy-sql	2.4.13
org.codehaus.groovy	groovy-swing	2.4.13
org.codehaus.groovy	groovy-templates	2.4.13
org.codehaus.groovy	groovy-test	2.4.13
org.codehaus.groovy	groovy-testng	2.4.13
org.codehaus.groovy	groovy-xml	2.4.13
org.codehaus.jackson	jackson-core-asl	1.9.13
org.codehaus.jackson	jackson-mapper-asl	1.9.13
org.codehaus.janino	janino	3.0.8
org.codehaus.jettison	jettison	1.2
org.eclipse.jetty.cdi	cdi-core	9.4.8.v20171121
org.eclipse.jetty.cdi	cdi-full-servlet	9.4.8.v20171121
org.eclipse.jetty.cdi	cdi-servlet	9.4.8.v20171121
org.eclipse.jetty.fcgi	fcgi-client	9.4.8.v20171121
org.eclipse.jetty.fcgi	fcgi-server	9.4.8.v20171121

Group	Artifact	Version
org.eclipse.jetty.gcloud	jetty-gcloud-session-manager	9.4.8.v20171121
org.eclipse.jetty.http2	http2-client	9.4.8.v20171121
org.eclipse.jetty.http2	http2-common	9.4.8.v20171121
org.eclipse.jetty.http2	http2-hpack	9.4.8.v20171121
org.eclipse.jetty.http2	http2-http-client-transport	9.4.8.v20171121
org.eclipse.jetty.http2	http2-server	9.4.8.v20171121
org.eclipse.jetty.memcached	jetty-memcached-sessions	9.4.8.v20171121
org.eclipse.jetty.orbit	javax.servlet.jsp	2.2.0.v201112011158
org.eclipse.jetty.osgi	jetty-httpservice	9.4.8.v20171121
org.eclipse.jetty.osgi	jetty-osgi-boot	9.4.8.v20171121
org.eclipse.jetty.osgi	jetty-osgi-boot-jsp	9.4.8.v20171121
org.eclipse.jetty.osgi	jetty-osgi-boot-warurl	9.4.8.v20171121
org.eclipse.jetty.websocket	javax-websocket-client-impl	9.4.8.v20171121
org.eclipse.jetty.websocket	javax-websocket-server-impl	9.4.8.v20171121
org.eclipse.jetty.websocket	websocket-api	9.4.8.v20171121
org.eclipse.jetty.websocket	websocket-client	9.4.8.v20171121
org.eclipse.jetty.websocket	websocket-common	9.4.8.v20171121
org.eclipse.jetty.websocket	websocket-server	9.4.8.v20171121
org.eclipse.jetty.websocket	websocket-servlet	9.4.8.v20171121
org.eclipse.jetty	apache-jsp	9.4.8.v20171121
org.eclipse.jetty	apache-jstl	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-client	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-conscrypt-client	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-conscrypt-server	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-java-client	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-java-server	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-openjdk8-client	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-openjdk8-server	9.4.8.v20171121
org.eclipse.jetty	jetty-alpn-server	9.4.8.v20171121
org.eclipse.jetty	jetty-annotations	9.4.8.v20171121

Group	Artifact	Version
org.eclipse.jetty	jetty-ant	9.4.8.v20171121
org.eclipse.jetty	jetty-client	9.4.8.v20171121
org.eclipse.jetty	jetty-continuation	9.4.8.v20171121
org.eclipse.jetty	jetty-deploy	9.4.8.v20171121
org.eclipse.jetty	jetty-distribution	9.4.8.v20171121
org.eclipse.jetty	jetty-hazelcast	9.4.8.v20171121
org.eclipse.jetty	jetty-home	9.4.8.v20171121
org.eclipse.jetty	jetty-http	9.4.8.v20171121
org.eclipse.jetty	jetty-http-spi	9.4.8.v20171121
org.eclipse.jetty	jetty-infinispan	9.4.8.v20171121
org.eclipse.jetty	jetty-io	9.4.8.v20171121
org.eclipse.jetty	jetty-jaas	9.4.8.v20171121
org.eclipse.jetty	jetty-jaspi	9.4.8.v20171121
org.eclipse.jetty	jetty-jmx	9.4.8.v20171121
org.eclipse.jetty	jetty-jndi	9.4.8.v20171121
org.eclipse.jetty	jetty-nosql	9.4.8.v20171121
org.eclipse.jetty	jetty-plus	9.4.8.v20171121
org.eclipse.jetty	jetty-proxy	9.4.8.v20171121
org.eclipse.jetty	jetty-quickstart	9.4.8.v20171121
org.eclipse.jetty	jetty-rewrite	9.4.8.v20171121
org.eclipse.jetty	jetty-security	9.4.8.v20171121
org.eclipse.jetty	jetty-server	9.4.8.v20171121
org.eclipse.jetty	jetty-servlet	9.4.8.v20171121
org.eclipse.jetty	jetty-servlets	9.4.8.v20171121
org.eclipse.jetty	jetty-spring	9.4.8.v20171121
org.eclipse.jetty	jetty-unixsocket	9.4.8.v20171121
org.eclipse.jetty	jetty-util	9.4.8.v20171121
org.eclipse.jetty	jetty-util-ajax	9.4.8.v20171121
org.eclipse.jetty	jetty-webapp	9.4.8.v20171121
org.eclipse.jetty	jetty-xml	9.4.8.v20171121

Group	Artifact	Version
org.eclipse.paho	org.eclipse.paho.client.mqttv3	1.2.0
org.eclipse.persistence	javax.persistence	2.2.0
org.eclipse.persistence	org.eclipse.persistence.core	2.7.1
org.eclipse.persistence	org.eclipse.persistence.jpa	2.7.1
org.ehcache	ehcache	3.5.0
org.ehcache	ehcache-clustered	3.5.0
org.ehcache	ehcache-transactions	3.5.0
org.elasticsearch.client	transport	5.6.8
org.elasticsearch.plugin	transport-netty4-client	5.6.8
org.elasticsearch	elasticsearch	5.6.8
org.firebirdsql.jdbc	jaybird-jdk17	3.0.3
org.firebirdsql.jdbc	jaybird-jdk18	3.0.3
org.flywaydb	flyway-core	5.0.7
org.freemarker	freemarker	2.3.27-incubating
org.glassfish.jersey.containers	jersey-container-servlet	2.26
org.glassfish.jersey.containers	jersey-container-servlet-core	2.26
org.glassfish.jersey.core	jersey-client	2.26
org.glassfish.jersey.core	jersey-common	2.26
org.glassfish.jersey.core	jersey-server	2.26
org.glassfish.jersey.ext	jersey-bean-validation	2.26
org.glassfish.jersey.ext	jersey-entity-filtering	2.26
org.glassfish.jersey.ext	jersey-spring4	2.26
org.glassfish.jersey.media	jersey-media-jaxb	2.26
org.glassfish.jersey.media	jersey-media-json-jackson	2.26
org.glassfish.jersey.media	jersey-media-multipart	2.26
org.glassfish.tyrus	tyrus-container-servlet	1.13.1
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

Group	Artifact	Version
org.hibernate.validator	hibernate-validator	6.0.7.Final
org.hibernate.validator	hibernate-validator-annotation-processor	6.0.7.Final
org.hibernate	hibernate-c3p0	5.2.14.Final
org.hibernate	hibernate-core	5.2.14.Final
org.hibernate	hibernate-ehcache	5.2.14.Final
org.hibernate	hibernate-entitymanager	5.2.14.Final
org.hibernate	hibernate-envers	5.2.14.Final
org.hibernate	hibernate-hikaricp	5.2.14.Final
org.hibernate	hibernate-infinispan	5.2.14.Final
org.hibernate	hibernate-java8	5.2.14.Final
org.hibernate	hibernate-jcache	5.2.14.Final
org.hibernate	hibernate-jpamodelgen	5.2.14.Final
org.hibernate	hibernate-proxool	5.2.14.Final
org.hibernate	hibernate-spatial	5.2.14.Final
org.hibernate	hibernate-testing	5.2.14.Final
org.hibernate	hibernate-validator	5.4.2.Final
org.hsqldb	hsqldb	2.4.0
org.igniterealtime.smack	smack-extensions	4.2.3
org.igniterealtime.smack	smack-java7	4.2.3
org.igniterealtime.smack	smack-resolver-javax	4.2.3
org.igniterealtime.smack	smack-tcp	4.2.3
org.infinispan	infinispan-jcache	9.1.6.Final
org.infinispan	infinispan-spring4-common	9.1.6.Final
org.infinispan	infinispan-spring4-embedded	9.1.6.Final
org.influxdb	influxdb-java	2.9
org.jasig.cas.client	cas-client-core	3.5.0
org.jboss.logging	jboss-logging	3.3.2.Final
org.jboss.narayana.jta	jdbc	5.8.0.Final
org.jboss.narayana.jta	jms	5.8.0.Final
org.jboss.narayana.jta	jta	5.8.0.Final

Group	Artifact	Version
org.jboss.narayana.jts	narayana-jts-integration	5.8.0.Final
org.jboss	jboss-transaction-spi	7.6.0.Final
org.jdom	jdom2	2.0.6
org.jetbrains.kotlin	kotlin-reflect	1.2.21
org.jetbrains.kotlin	kotlin-runtime	1.2.21
org.jetbrains.kotlin	kotlin-stdlib	1.2.21
org.jetbrains.kotlin	kotlin-stdlib-jdk7	1.2.21
org.jetbrains.kotlin	kotlin-stdlib-jdk8	1.2.21
org.jetbrains.kotlin	kotlin-stdlib-jre7	1.2.21
org.jetbrains.kotlin	kotlin-stdlib-jre8	1.2.21
org.jibx	jibx-run	1.3.1
org.jolokia	jolokia-core	1.5.0
org.jooq	jooq	3.10.5
org.jooq	jooq-codegen	3.10.5
org.jooq	jooq-meta	3.10.5
org.junit.jupiter	junit-jupiter-api	5.1.0
org.junit.jupiter	junit-jupiter-engine	5.1.0
org.liquibase	liquibase-core	3.5.5
org.mariadb.jdbc	mariadb-java-client	2.2.2
org.mockito	mockito-core	2.15.0
org.mockito	mockito-inline	2.15.0
org.mongodb	bson	3.6.3
org.mongodb	mongo-java-driver	3.6.3
org.mongodb	mongodb-driver	3.6.3
org.mongodb	mongodb-driver-async	3.6.3
org.mongodb	mongodb-driver-core	3.6.3
org.mongodb	mongodb-driver-reactivestreams	1.7.1
org.mortbay.jasper	apache-el	8.5.24.2
org.neo4j	neo4j-ogm-api	3.1.0
org.neo4j	neo4j-ogm-bolt-driver	3.1.0

Group	Artifact	Version
org.neo4j	neo4j-ogm-core	3.1.0
org.neo4j	neo4j-ogm-http-driver	3.1.0
org.objenesis	objenesis	2.6
org.openid4java	openid4java-nodeps	0.9.6
org.postgresql	postgresql	42.2.1
org.projectlombok	lombok	1.16.20
org.quartz-scheduler	quartz	2.3.0
org.reactivestreams	reactive-streams	1.0.2
org.seleniumhq.selenium	htmlunit-driver	2.29.2
org.seleniumhq.selenium	selenium-api	3.9.1
org.seleniumhq.selenium	selenium-chrome-driver	3.9.1
org.seleniumhq.selenium	selenium-edge-driver	3.9.1
org.seleniumhq.selenium	selenium-firefox-driver	3.9.1
org.seleniumhq.selenium	selenium-ie-driver	3.9.1
org.seleniumhq.selenium	selenium-java	3.9.1
org.seleniumhq.selenium	selenium-opera-driver	3.9.1
org.seleniumhq.selenium	selenium-remote-driver	3.9.1
org.seleniumhq.selenium	selenium-safari-driver	3.9.1
org.seleniumhq.selenium	selenium-support	3.9.1
org.skyscreamer	jsonassert	1.5.0
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

Group	Artifact	Version
org.springframework.amqp	spring-amqp	2.0.2.RELEASE
org.springframework.amqp	spring-rabbit	2.0.2.RELEASE
org.springframework.batch	spring-batch-core	4.0.0.RELEASE
org.springframework.batch	spring-batch-infrastructure	4.0.0.RELEASE
org.springframework.batch	spring-batch-integration	4.0.0.RELEASE
org.springframework.batch	spring-batch-test	4.0.0.RELEASE
org.springframework.boot	spring-boot	2.0.0.RELEASE
org.springframework.boot	spring-boot-actuator	2.0.0.RELEASE
org.springframework.boot	spring-boot-actuator- autoconfigure	2.0.0.RELEASE
org.springframework.boot	spring-boot-autoconfigure	2.0.0.RELEASE
org.springframework.boot	spring-boot-autoconfigure- processor	2.0.0.RELEASE
org.springframework.boot	spring-boot-configuration- metadata	2.0.0.RELEASE
org.springframework.boot	spring-boot-configuration- processor	2.0.0.RELEASE
org.springframework.boot	spring-boot-devtools	2.0.0.RELEASE
org.springframework.boot	spring-boot-loader	2.0.0.RELEASE
org.springframework.boot	spring-boot-loader-tools	2.0.0.RELEASE
org.springframework.boot	spring-boot-properties-migrator	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-activemq	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-actuator	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-amqp	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-aop	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-artemis	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-batch	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-cache	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-cloud- connectors	2.0.0.RELEASE

Group	Artifact	Version
org.springframework.boot	spring-boot-starter-data-cassandra	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-cassandra-reactive	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-couchbase	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-couchbase-reactive	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-elasticsearch	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-jpa	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-ldap	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-mongodb	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-mongodb-reactive	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-neo4j	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-redis	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-redis-reactive	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-rest	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-data-solr	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-freemarker	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-groovy-templates	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-hateoas	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-integration	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jdbc	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jersey	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jetty	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jooq	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-json	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jta-atomikos	2.0.0.RELEASE

Group	Artifact	Version
org.springframework.boot	spring-boot-starter-jta-bitronix	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-jta-narayana	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-log4j2	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-logging	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-mail	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-mustache	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-quartz	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-reactor-netty	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-security	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-test	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-thymeleaf	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-tomcat	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-undertow	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-validation	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-web	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-web-services	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-webflux	2.0.0.RELEASE
org.springframework.boot	spring-boot-starter-websocket	2.0.0.RELEASE
org.springframework.boot	spring-boot-test	2.0.0.RELEASE
org.springframework.boot	spring-boot-test-autoconfigure	2.0.0.RELEASE
org.springframework.cloud	spring-cloud-cloudfoundry-connector	2.0.1.RELEASE
org.springframework.cloud	spring-cloud-connectors-core	2.0.1.RELEASE
org.springframework.cloud	spring-cloud-heroku-connector	2.0.1.RELEASE
org.springframework.cloud	spring-cloud-localconfig-connector	2.0.1.RELEASE
org.springframework.cloud	spring-cloud-spring-service-connector	2.0.1.RELEASE
org.springframework.data	spring-data-cassandra	2.0.5.RELEASE
org.springframework.data	spring-data-commons	2.0.5.RELEASE
org.springframework.data	spring-data-couchbase	3.0.5.RELEASE

Group	Artifact	Version
org.springframework.data	spring-data-elasticsearch	3.0.5.RELEASE
org.springframework.data	spring-data-envers	2.0.5.RELEASE
org.springframework.data	spring-data-gemfire	2.0.5.RELEASE
org.springframework.data	spring-data-geode	2.0.5.RELEASE
org.springframework.data	spring-data-jpa	2.0.5.RELEASE
org.springframework.data	spring-data-keyvalue	2.0.5.RELEASE
org.springframework.data	spring-data-ldap	2.0.5.RELEASE
org.springframework.data	spring-data-mongodb	2.0.5.RELEASE
org.springframework.data	spring-data-mongodb-cross-store	2.0.5.RELEASE
org.springframework.data	spring-data-neo4j	5.0.5.RELEASE
org.springframework.data	spring-data-redis	2.0.5.RELEASE
org.springframework.data	spring-data-rest-core	3.0.5.RELEASE
org.springframework.data	spring-data-rest-hal-browser	3.0.5.RELEASE
org.springframework.data	spring-data-rest-webmvc	3.0.5.RELEASE
org.springframework.data	spring-data-solr	3.0.5.RELEASE
org.springframework.hateoas	spring-hateoas	0.24.0.RELEASE
org.springframework.integration	spring-integration-amqp	5.0.3.RELEASE
org.springframework.integration	spring-integration-core	5.0.3.RELEASE
org.springframework.integration	spring-integration-event	5.0.3.RELEASE
org.springframework.integration	spring-integration-feed	5.0.3.RELEASE
org.springframework.integration	spring-integration-file	5.0.3.RELEASE
org.springframework.integration	spring-integration-ftp	5.0.3.RELEASE
org.springframework.integration	spring-integration-gemfire	5.0.3.RELEASE
org.springframework.integration	spring-integration-groovy	5.0.3.RELEASE
org.springframework.integration	spring-integration-http	5.0.3.RELEASE
org.springframework.integration	spring-integration-ip	5.0.3.RELEASE
org.springframework.integration	spring-integration-jdbc	5.0.3.RELEASE
org.springframework.integration	spring-integration-jms	5.0.3.RELEASE
org.springframework.integration	spring-integration-jmx	5.0.3.RELEASE
org.springframework.integration	spring-integration-jpa	5.0.3.RELEASE

Group	Artifact	Version
org.springframework.integration	spring-integration-mail	5.0.3.RELEASE
org.springframework.integration	spring-integration-mongodb	5.0.3.RELEASE
org.springframework.integration	spring-integration-mqtt	5.0.3.RELEASE
org.springframework.integration	spring-integration-redis	5.0.3.RELEASE
org.springframework.integration	spring-integration-rmi	5.0.3.RELEASE
org.springframework.integration	spring-integration-scripting	5.0.3.RELEASE
org.springframework.integration	spring-integration-security	5.0.3.RELEASE
org.springframework.integration	spring-integration-sftp	5.0.3.RELEASE
org.springframework.integration	spring-integration-stomp	5.0.3.RELEASE
org.springframework.integration	spring-integration-stream	5.0.3.RELEASE
org.springframework.integration	spring-integration-syslog	5.0.3.RELEASE
org.springframework.integration	spring-integration-test	5.0.3.RELEASE
org.springframework.integration	spring-integration-test-support	5.0.3.RELEASE
org.springframework.integration	spring-integration-twitter	5.0.3.RELEASE
org.springframework.integration	spring-integration-webflux	5.0.3.RELEASE
org.springframework.integration	spring-integration-websocket	5.0.3.RELEASE
org.springframework.integration	spring-integration-ws	5.0.3.RELEASE
org.springframework.integration	spring-integration-xml	5.0.3.RELEASE
org.springframework.integration	spring-integration-xmpp	5.0.3.RELEASE
org.springframework.integration	spring-integration-zookeeper	5.0.3.RELEASE
org.springframework.kafka	spring-kafka	2.1.4.RELEASE
org.springframework.kafka	spring-kafka-test	2.1.4.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.plugin	spring-plugin-core	1.2.0.RELEASE
org.springframework.plugin	spring-plugin-metadata	1.2.0.RELEASE

Group	Artifact	Version
org.springframework.restdocs	spring-restdocs-asciidoctor	2.0.0.RELEASE
org.springframework.restdocs	spring-restdocs-core	2.0.0.RELEASE
org.springframework.restdocs	spring-restdocs-mockmvc	2.0.0.RELEASE
org.springframework.restdocs	spring-restdocs-restassured	2.0.0.RELEASE
org.springframework.restdocs	spring-restdocs-webtestclient	2.0.0.RELEASE
org.springframework.retry	spring-retry	1.2.2.RELEASE
org.springframework.security.oauth	spring-security-oauth	2.2.1.RELEASE
org.springframework.security.oauth	spring-security-oauth2	2.2.1.RELEASE
org.springframework.security	spring-security-acl	5.0.3.RELEASE
org.springframework.security	spring-security-aspects	5.0.3.RELEASE
org.springframework.security	spring-security-cas	5.0.3.RELEASE
org.springframework.security	spring-security-config	5.0.3.RELEASE
org.springframework.security	spring-security-core	5.0.3.RELEASE
org.springframework.security	spring-security-crypto	5.0.3.RELEASE
org.springframework.security	spring-security-data	5.0.3.RELEASE
org.springframework.security	spring-security-jwt	1.0.9.RELEASE
org.springframework.security	spring-security-ldap	5.0.3.RELEASE
org.springframework.security	spring-security-messaging	5.0.3.RELEASE
org.springframework.security	spring-security-oauth2-client	5.0.3.RELEASE
org.springframework.security	spring-security-oauth2-core	5.0.3.RELEASE
org.springframework.security	spring-security-oauth2-jose	5.0.3.RELEASE
org.springframework.security	spring-security-openid	5.0.3.RELEASE
org.springframework.security	spring-security-remoting	5.0.3.RELEASE
org.springframework.security	spring-security-taglibs	5.0.3.RELEASE
org.springframework.security	spring-security-test	5.0.3.RELEASE
org.springframework.security	spring-security-web	5.0.3.RELEASE
org.springframework.session	spring-session-core	2.0.2.RELEASE
org.springframework.session	spring-session-data-mongodb	2.0.2.RELEASE
org.springframework.session	spring-session-data-redis	2.0.2.RELEASE
org.springframework.session	spring-session-hazelcast	2.0.2.RELEASE

Group	Artifact	Version
org.springframework.session	spring-session-jdbc	2.0.2.RELEASE
org.springframework.social	spring-social-config	1.1.6.RELEASE
org.springframework.social	spring-social-core	1.1.6.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	2.5.0.RELEASE
org.springframework.webflow	spring-faces	2.5.0.RELEASE
org.springframework.webflow	spring-webflow	2.5.0.RELEASE
org.springframework.ws	spring-ws-core	3.0.0.RELEASE
org.springframework.ws	spring-ws-security	3.0.0.RELEASE
org.springframework.ws	spring-ws-support	3.0.0.RELEASE
org.springframework.ws	spring-ws-test	3.0.0.RELEASE
org.springframework.ws	spring-xml	3.0.0.RELEASE
org.springframework	spring-aop	5.0.4.RELEASE
org.springframework	spring-aspects	5.0.4.RELEASE
org.springframework	spring-beans	5.0.4.RELEASE
org.springframework	spring-context	5.0.4.RELEASE
org.springframework	spring-context-indexer	5.0.4.RELEASE
org.springframework	spring-context-support	5.0.4.RELEASE
org.springframework	spring-core	5.0.4.RELEASE
org.springframework	spring-expression	5.0.4.RELEASE
org.springframework	spring-instrument	5.0.4.RELEASE
org.springframework	spring-jcl	5.0.4.RELEASE
org.springframework	spring-jdbc	5.0.4.RELEASE
org.springframework	spring-jms	5.0.4.RELEASE
org.springframework	spring-messaging	5.0.4.RELEASE
org.springframework	spring-orm	5.0.4.RELEASE
org.springframework	spring-oxm	5.0.4.RELEASE
org.springframework	spring-test	5.0.4.RELEASE

Group	Artifact	Version
org.springframework	spring-tx	5.0.4.RELEASE
org.springframework	spring-web	5.0.4.RELEASE
org.springframework	spring-webflux	5.0.4.RELEASE
org.springframework	spring-webmvc	5.0.4.RELEASE
org.springframework	spring-websocket	5.0.4.RELEASE
org.synchronoss.cloud	nio-multipart-parser	1.1.0
org.testng	testng	6.14.2
org.threeten	threetenbp	1.3.6
org.thymeleaf.extras	thymeleaf-extras-java8time	3.0.1.RELEASE
org.thymeleaf.extras	thymeleaf-extras-springsecurity4	3.0.2.RELEASE
org.thymeleaf	thymeleaf	3.0.9.RELEASE
org.thymeleaf	thymeleaf-spring5	3.0.9.RELEASE
org.webjars	hal-browser	3325375
org.webjars	json-editor	0.7.21
org.webjars	webjars-locator-core	0.35
org.xerial	sqlite-jdbc	3.21.0.1
org.xmlbeam	xmlprojector	1.4.14
org.xmlunit	xmlunit-core	2.5.1
org.xmlunit	xmlunit-legacy	2.5.1
org.xmlunit	xmlunit-matchers	2.5.1
org.yaml	snakeyaml	1.19
redis.clients	jedis	2.9.0
wsdl4j	wsdl4j	1.6.3
xml-apis	xml-apis	1.4.01
xmlunit	xmlunit	1.6
xom	xom	1.2.5