

OPENSOURCE CREDIT DOCUMENT

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NOTICES:

COMPONENT NAME	VERSION	HOME PAGE URL (SOURCE)	LICENSE
ch.qos.logback	1.1.3, 1.2.3	logback-core	Eclipse Public License - v 1.0, GNU Lesser General Public License
com.eclipsesource.minimal-json	0.9.4	minimal-json	MIT License
com.fasterxml	1.3.4	classmate	Apache v2.0
com.fasterxml.jackson.core	2.9.0, 2.9.8	jackson-annotations	Apache v2.0
com.fasterxml.jackson.core	2.9.8, 2.9.9	jackson-core	Apache v2.0
com.fasterxml.jackson.core	2.9.8, 2.9.9	jackson-databind	Apache v2.0
com.github.dhorions	1.5	https://github.com/dhorions/boxable	Apache v2.0
btf	1.2	btf	Lesser General Public License, version 3 or greater, Apache v2.0
msg-simple	1.1	https://github.com/fge/msg-simple	Lesser General Public License, version 3 or greater, Apache v2.0
uri-template	0.9	uri-template	Lesser General Public License, version 3 or greater, Apache v2.0
jackson-coreutils	1.9	jackson-coreutils	Lesser General Public License, version 3 or greater, Apache Software License, version 2.0
json-schema-core	1.2.10	json-schema-core	Lesser General Public License, version 3 or greater, Apache v2.0
json-schema-validator	2.2.10	json-schema-validator	Lesser General Public License, version 3 or greater, Apache v2.0
json-flattener	0.2.2	json-flattener	Apache v2.0
proto-google-common-protos	1.0.0	proto-google-common-protos	Apache v2.0

jsr 305	3.0.2	https://mvnrepository.com/artifact/com.google.code.findbugs/jsr305	Apache v2.0
com.google.code.findbugs	1.3.9, 3.0.1	jsr305	Apache v2.0
gson	2.5	https://github.com/google/gson	Apache v2.0
GSON	2.8.5	https://github.com/google/gson	Apache v2.0
errorprone	2.1.3, 2.2.0	https://github.com/google/error-prone	Apache v2.0
com.google.guava	26.0-android	guava	Apache v2.0
com.google.guava	20, 25.0-jre	guava	Apache v2.0
com.google.j2objc	1.1	j2objc-annotations	Apache v2.0
com.google.protobuf	3.6.1	protobuf-java	BSD 3-clause "New" or "Revised" License
Protobuf Java Util	3.6.1	protobuf-java-util	BSD 3-clause "New" or "Revised" License
com.googlecode.libphonenumber	8.0.0	libphonenumber	Apache v2.0
com.jayway.jsonpath	2.4.0	json-path	Apache v2.0
jzlib	1.1.3	jzlib	BSD 3-clause "New" or "Revised" License
c3p0	0.9.5.4	c3p0	GNU Lesser General Public License, Version 2.1, Eclipse Public License, Version 1.0
mchange-commons-java	0.2.15	mchange-commons-java	GNU Lesser General Public License, Version 2.1, Eclipse Public License, Version 1.0
amqp-client	5.7.0	https://www.rabbitmq.com/	Apache 2.0, GPL v2, MPL 1.1
istack-commons-runtime	3.0.7	istack-commons-runtime	CDDL + GPLv2 with classpath exception
jersey-client	1.19.4	https://eclipse-ee4j.github.io/jersey/	CDDL + GPLv2 with classpath exception
jerseycore	1.19.4	jersey-core	CDDL + GPLv2 with classpath exception
com.sun.mail	1.6.2	javax.mail	CDDL + GPLv2 with classpath exception

com.sun.mail	1.6.0	javax.mail	CDDL + GPLv2 with classpath exception
com.sun.xml.fastinfoset	1.2.15	FastInfoset	Apache v2.0
com.vaadin.external.google	0.0.20131108.vaadin1	android-json	Apache v2.0
com.zaxxer	2.4.13	HikariCP-javaz	Apache v2.0
commons-cli	1.4	commons-cli	Apache v2.0
commons-codec	1.13	commons-codec	Apache v2.0
commons-codec	1.1	commons-codec	Apache v2.0
commons-codec	1.12	commons-codec	Apache v2.0
commons-fileupload	1.4	commons-fileupload	Apache v2.0
commons-io	2.6	commons-io	Apache v2.0
commons-io	1.3.2	commons-io	Apache v2.0
commons-io	2.2	commons-io	Apache v2.0
commons-logging	1.2	commons-logging	Apache v2.0
commons-net	3.6	commons-net	Apache v2.0
grpc-context	1.17.1	grpc-context	Apache v2.0
grpc-core	1.17.1	grpc-core	Apache v2.0
grpc-netty	1.17.1	grpc-netty	Apache v2.0
grpc-protobuf	1.17.1	grpc-protobuf	Apache v2.0
grpc-protobuf-lite	1.17.1	grpc-protobuf-lite	Apache v2.0
grpc-stub	1.17.1	grpc-stub	Apache v2.0

netty-buffer	4.1.30.Final	netty-buffer	Apache v2.0
netty-codec	4.1.30.Final	netty-codec	Apache v2.0
netty-codec-http	4.1.30.Final	netty-codec-http	Apache v2.0
netty-codec-http2	4.1.30.Final	netty-codec-http2	Apache v2.0
netty-codec-socks	4.1.30.Final	netty-codec-socks	Apache v2.0
netty-common	4.1.30.Final	netty-common	Apache v2.0
netty-handler	4.1.30.Final	netty-handler	Apache v2.0
netty-handler-proxy	4.1.30.Final	netty-handler-proxy	Apache v2.0
netty-resolver	4.1.30.Final	netty-resolver	Apache v2.0
netty-tcnative-boringssl-static	2.0.20.Final	netty-tcnative-boringssl-static	Apache v2.0
netty-transport	4.1.30.Final	netty-transport	Apache v2.0
netty-buffer	4.1.35.Final	netty-buffer	Apache v2.0
netty-codec	4.1.35.Final	netty-codec	Apache v2.0
netty-codec-http	4.1.35.Final	netty-codec-http	Apache v2.0
netty-codec-socks	4.1.35.Final	netty-codec-socks	Apache v2.0
netty-common	4.1.35.Final	netty-common	Apache v2.0
netty-handler	4.1.35.Final	netty-handler	Apache v2.0
netty-handler-proxy	4.1.35.Final	netty-handler-proxy	Apache v2.0
netty-resolver	4.1.35.Final	netty-resolver	Apache v2.0
netty-transport	4.1.35.Final	netty-transport	Apache v2.0

io.opencensus	0.17.0	opencensus-api	Apache v2.0
io.opencensus	0.17.0	opencensus-contrib-grpc-metrics	Apache v2.0
jakarta.annotation	1.3.4	jakarta.annotation-api	EPL 2.0, GPL2 with class path exception
jakarta.ws.rs	2.1.5	jakarta.ws.rs-api	EPL 2.0, GPL2 with class path exception
activation	1.1	activation	CDDL + GPLv2 with classpath exception
javax.activation-api	1.2.0	javax.activation-api	CDDL + GPLv2 with classpath exception
javax.annotation-api	1.3.2	javax.annotation-api	CDDL + GPLv2 with classpath exception
javax.mail	1.4.3	mailapi	CDDL + GPLv2 with classpath exception
javax.persistence	2.2	javax.persistence-api	Eclipse Public License v1.0, Eclipse Distribution License v. 1.0
javax.servlet	3.1.0, 4.0.1	javax.servlet-api	CDDL + GPLv2 with classpath exception
javax.validation	2.0.1.Final	validation-api	Apache License, Version 2.0
jsr311	1.1.1	https://mvnrepository.com/artifact/javax.ws.rs/jsr311-api/1.1.1	CDDL License
jaxb-api	2.3.1	jaxb-api	CDDL + GPLv2 with classpath exception
jaxb-api	2.4.0-b180830.0359	https://mvnrepository.com/artifact/javax.xml.bind/jaxb-api/2.4.0-b180830.0359	CDDL
joda-time	2.9.7	joda-time	Apache v2.0
junit	3.8.1, 4.12	junit	Eclipse Public License 1.0
bytebuddy	1.8.15, 1.9.10	https://mvnrepository.com/artifact/net.bytebuddy/byte-buddy	Apache v2.0
access smart	1.2	https://mvnrepository.com/artifact/net.minidev/access-smart	Apache v2.0

json smart	2.3	https://mvnrepository.com/artifact/net.minidev/json-smart	Apache v2.0
jopt-simple	5.0.3	https://mvnrepository.com/artifact/net.sf.jopt-simple/jopt-simple	MIT License
htmlunit	2.34.1	https://mvnrepository.com/artifact/net.sourceforge.htmlunit/htmlunit	Apache v2.0
htmlunit core js	2.34.0	https://mvnrepository.com/artifact/net.sourceforge.htmlunit/htmlunit-core-js	Apache v2.0
htmlunit css parser	1.3.0	https://mvnrepository.com/artifact/net.sourceforge.htmlunit/htmlunit-cssparser	Apache v2.0
neko htmlunit	2.34.0	https://mvnrepository.com/artifact/net.sourceforge.htmlunit/neko-htmlunit	Apache v2.0
commons-lang3	3.8.1, 3.9	commons-lang3	Apache v2.0
commons-text	1.3, 1.6	commons-text	Apache v2.0
commons-compress	1.18, 1.19	commons-compress	Apache v2.0
commons-math3	3.6.1	commons-math3	Apache v2.0
commons-csv	1.6	commons-csv	Apache v2.0
commons-collections4	4.2	commons-collections4	Apache v2.0
commons-text	1.3	commons-text	Apache v2.0
commons-lang3	3.4, 3.8.1, 3.9	commons-lang3	Apache v2.0
httpclient	4.5.10	httpclient	Apache v2.0
httpcore	4.4.11, 4.4.12	httpcore	Apache v2.0
httpmime	4.5.7	httpmime	Apache v2.0
httpclient	4.5.6	httpclient	Apache v2.0

httpcore	4.4.10	httpcore	Apache v2.0
log4j-api	2.11.2	log4j-api	Apache v2.0
log4j-core	2.11.1	log4j-core	Apache v2.0
log4j-api	2.11.1	log4j-api	Apache v2.0
log4j-core	2.11.2	log4j-core	Apache v2.0
surefire-testng	2.22.0, 3.0.0-M3	surefire-testng	Apache v2.0
common-java5	2.22.0, 3.0.0-M3	common-java5	Apache v2.0
surefire-api	2.22.0, 3.0.0-M3	surefire-api	Apache v2.0
surefire-grouper	2.22.0, 3.0.0-M3	surefire-grouper	Apache v2.0
surefire-logger-api	2.22.0, 3.0.0-M3	surefire-logger-api	Apache v2.0
surefire-testng-utils	2.22.0, 3.0.0-M3	surefire-testng-utils	Apache v2.0
pdfbox	2.0.15	pdfbox	Apache v2.0
fontbox	2.0.15	fontbox	Apache v2.0
tomcat-embed-core	9.0.21	tomcat-embed-core	Apache v2.0
tomcat-embed-el	9.0.21	tomcat-embed-el	Apache v2.0
tomcat-embed-websocket	9.0.21	tomcat-embed-websocket	Apache v2.0
velocity-engine-core	2	velocity-engine-core	Apache v2.0
velocity-engine-scripting	2	velocity-engine-scripting	Apache v2.0
bcpkix-jdk15on	1.6	bcpkix-jdk15on	Bouncy Castle Licence
bcprov-jdk15on	1.6	bcprov-jdk15on	Bouncy Castle Licence

bcmal-jdk15on	1.6	bcmal-jdk15on	Bouncy Castle Licence
org.checkerframework	2..0.0, 2.5.2	checker-compat-qual	MIT License
org.codehaus.mojo	1.14, 1.17	animal-sniffer-annotations	MIT License
org.dom4j	2.1.1	dom4j	BSD 3-clause "New" or "Revised" License
jetty-client	9.4.15.v20190215	jetty-client	Apache v2.0, Eclipse Public License - Version 1.0
jetty-http	9.4.15.v20190215	jetty-http	Apache v2.0, Eclipse Public License - Version 1.0
jetty-io	9.4.15.v20190215	jetty-io	Apache v2.0, Eclipse Public License - Version 1.0
jetty-util	9.4.15.v20190215	jetty-util	Apache v2.0, Eclipse Public License - Version 1.0
jetty-xml	9.4.15.v20190215	jetty-xml	Apache v2.0, Eclipse Public License - Version 1.0
org.eclipse.jetty.websocket	9.4.15.v20190215	websocket-api	Apache v2.0, Eclipse Public License - Version 1.0
org.eclipse.jetty.websocket	9.4.15.v20190215	websocket-client	Apache v2.0, Eclipse Public License - Version 1.0
org.eclipse.jetty.websocket	9.4.15.v20190215	websocket-common	Apache v2.0, Eclipse Public License - Version 1.0
javax.json	1.1.4	javax.json	CDDL + GPLv2 with classpath exception
osgi-resource-locator	1.0.1	osgi-resource-locator	CDDL + GPLv2 with classpath exception
org.glassfish.hk2.external	2.5.0	jakarta.inject	EPL 2.0, GPL2 with class path exception
jaxb-runtime	2.3.1	jaxb-runtime	CDDL + GPLv2 with classpath exception
txw2	2.3.1	txw2	CDDL + GPLv2 with classpath exception
org.glassfish.jersey.containers	2.28	jersey-container-servlet-core	EPL 2.0GPL2 with class path exception
jersey core client	2.28	https://mvnrepository.com/artifact/org.glassfish.jersey.core/jersey-client/2.8	CDDL 1.1, GPL1.1
jersey.common	2.28	https://mvnrepository.com/artifact/org.glassfish.jersey	Apache v2.0, EPL 2.0, GPL 2.0, public

		y.core/jersey-common/2.28	
jersey.core server	2.28	https://mvnrepository.com/artifact/org.glassfish.jersey.core/jersey-server/2.28	BSD, Apache 2.0, EPL 2.0, GPL2
jersey.media jaxb	2.28	https://mvnrepository.com/artifact/org.glassfish.jersey.media/jersey-media-jaxb	Apache 2.0, BSD, EPL, EDL, MIT, w3c and public license
org.hamcrest	1.3	hamcrest-library	New BSD License
org.hamcrest core	1.3	https://mvnrepository.com/artifact/org.hamcrest/hamcrest-core	New BSD License
org.hibernate core	5.4.2.Final	https://mvnrepository.com/artifact/org.hibernate/hibernate-core	GNU Library General Public License v2.1 or later
org.hibernate.common	5.1.0.Final	hibernate-commons-annotations	GNU Library General Public License v2.1 or later
org.hibernate.validator	6.0.17.Final	hibernate-validator	Apache v2.0
org.hyperledger.fabric-sdk-java	1.4.4	fabric-sdk-java	Apache v2.0
org.javassist	3.24.0-GA	https://mvnrepository.com/artifact/org.javassist/javassist/3.24.0-GA	MPL 1.1, LGPL 2.1, Apache License 2.0
jandex	2.0.5.Final	https://mvnrepository.com/artifact/org.jboss/jandex/2.0.5.Final	Apache v2.0
jboss.logging	3.3.2.Final	https://mvnrepository.com/artifact/org.jboss.logging/jboss-logging/3.3.2.Final	Apache v2.0
jboss-transaction-api_1.2_spec	1.1.1.Final	https://mvnrepository.com/artifact/org.jboss.spec.javax.transaction/jboss-transaction-api_1.2_spec	CDDL , EPL+ GPLv2 with classpath exception
org.jsoup	1.11.3	jsoup	MIT License
stax-ex	1.8	stax-ex	CDDL + GPLv2 with classpath exception
org.miracl.milagro.amcl	0.4.0	milagro-crypto-java	Apache v2.0
org.mockito	1.10.19	mockito-all	MIT License

org.mock-server	5.5.4	mockserver-netty	Apache v2.0
org.mock-server	5.5.4	mockserver-client-java	Apache v2.0
org.mock-server	5.5.4	mockserver-core	Apache v2.0
rhino	1.7.7.1	https://github.com/mozilla/rhino	Mozilla Public License, Version 2.0
org.neo4j.driver	1.7.3	neo4j-java-driver	Apache v2.0
asm	5.0.4	https://asm.ow2.io/	BSD 3-clause "New" or "Revised" License
org.postgresql	42.2.5	postgresql	BSD 2-clause
org.quartz-scheduler	2.3.1	quartz	Apache v2.0
org.quartz-scheduler	2.3.1	quartz-jobs	Apache v2.0
org.skyscreamer	1.5.0	jsonassert	Apache v2.0
org.slf4j	1.7.7	slf4j-api	MIT License
spring-context	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-context	Apache v2.0
spring-core	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-core	Apache v2.0
spring-jdbc	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-jdbc	Apache v2.0
spring-webmvc	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-webmvc	Apache v2.0
spring-test	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-test/5.1.5.RELEASE	Apache v2.0
spring-aop	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-aop/5.1.5.RELEASE	Apache v2.0

spring-beans	5.2.3	https://mvnrepository.com/artifact/org.springframework/spring-beans/5.1.5.RELEASE	Apache v2.0
spring-expression	5.2.3	spring-expression	Apache v2.0
spring-jcl	5.2.3	spring-jcl	Apache v2.0
spring-tx	5.1.6.RELEASE	spring-tx	Apache v2.0
spring-web	5.2.3 RELEASE	spring-web	Apache v2.0
spring-boot-dependencies	2.2.4	spring-boot-dependencies	Apache v2.0
spring-boot-starter	2.2.4	spring-boot-starter	Apache v2.0
spring-boot-starter-web	2.2.4	spring-boot-starter-web	Apache v2.0
spring-boot-devtools	2.2.4	spring-boot-devtools	Apache v2.0
spring-boot	2.2.4	spring-boot	Apache v2.0
spring-boot-autoconfigure	2.2.4	spring-boot-autoconfigure	Apache v2.0
spring-boot-starter-tomcat	2.2.4	spring-boot-starter-tomcat	Apache v2.0
org.springframework.ldap	2.3.2.RELEASE	spring-ldap-core	Apache v2.0
org.springframework.security	5.2.1	spring-security-config	Apache v2.0
org.testng	7.1.0	testng	Apache v2.0
org.xmlunit	2.6.2	xmlunit-core	Apache v2.0
org.yaml	1.23	snakeyaml	Apache v2.0
org.yaml	1.12	snakeyaml	Apache v2.0
xalan	2.7.2	serializer	Apache v2.0

xalan	2.7.2	xalan	Apache v2.0
xerces	2.12.0	xercesImpl	Apache v2.0
xml-apis	1.4.01	xml-apis	The Apache v2.0, The W3C License
xom	1..2.10	http://xom.nu/	The GNU Lesser General Public License, Version 2.1
com.beust	1.48	jcommander	Apache v2.0
com.fasterxml.jackson.datatype	2.9.9	jackson-datatype-jdk8	Apache v2.0
com.fasterxml.jackson.datatype	2.9.9	jackson-datatype-jsr310	Apache v2.0
com.fasterxml.jackson.module	2.9.9	jackson-module-parameter-names	Apache v2.0
com.squareup.okio	1.14.0	okio	Apache v2.0
org.apache.xmlgraphics	1.11	batik-constants	Apache v2.0
batik-css	1.11	https://mvnrepository.com/artifact/org.apache.xmlgraphics/batik-css/1.7	Apache v2.0
org.apache.xmlgraphics	1.11	batik-i18n	Apache v2.0
org.apache.xmlgraphics	1.11	batik-util	Apache v2.0
org.apache.xmlgraphics	2.3	xmlgraphics-commons	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-firefox-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-java	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-api	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-chrome-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-edge-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-ie-driver	Apache v2.0

org.seleniumhq.selenium	3.141.59	selenium-opera-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-remote-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-safari-driver	Apache v2.0
org.seleniumhq.selenium	3.141.59	selenium-support	Apache v2.0
org.springframework.boot	2.1.6.RELEASE	spring-boot-starter-json	Apache v2.0
org.springframework.boot	2.1.6.RELEASE	spring-boot-starter-tomcat	Apache v2.0
xml-apis	1.3.04	xml-apis-ext	Apache v2.0
org.owasp.esapi	2.2.0.0	esapi	BSD, Creative Commons 3.0 BY-SA
commons-beanutils	1.9.4	commons-beanutils	Apache v2.0
commons-collections	3.2.2	commons-collections	Apache v2.0
commons-configuration	1.1	commons-configuration	Apache v2.0
commons-lang	2.6	commons-lang	Apache v2.0
com.squareup.okhttp3	3.11.0	okhttp	Apache v2.0
spring-context-support	5.1.5.RELEASE	https://mvnrepository.com/artifact/org.springframework/spring-context-support	Apache v2.0
org.ehcache	3.8.1	https://mvnrepository.com/artifact/org.ehcache/ehcache/3.8.1	Apache v2.0
angular/animations	6.1.10	https://www.npmjs.com/package/@angular/animations/v/6.1.10	MIT License
angular/cdk	6.4.7	https://www.npmjs.com/package/@angular/cdk/v/6.4.7	MIT License
angular/common	6.1.10	https://www.npmjs.com/package/@angular/common/v/6.1.10	MIT License

angular/core	6.1.10	https://www.npmjs.com/package/@angular/core/v/6.1.10	MIT License
angular/forms	6.1.10	https://www.npmjs.com/package/@angular/forms/v/6.1.10	MIT License
angular/material	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/button	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/checkbox	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/core	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/datepicker	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/dialog	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/form-field	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/icon	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/list	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/paginator	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/progress-bar	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/progress-spinner	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/radio	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License

angular/material/select	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
angular/material/sidenav	6.4.7	https://www.npmjs.com/package/@angular/material/v/6.4.7	MIT License
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1. xom

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