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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
jackson-annotations	2.9.0, 2.9.8,2.10.3	jackson-annotations	Apache v2.0
jackson-core	2.9.8, 2.9.9,2.10.3,2.1 2.1	jackson-core	Apache v2.0
jackson-databind	2.9.8, 2.9.9,2.10.3,2.1 2.1	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, 29.0-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-java7	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	2.2,2.8.0	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, 4.13.1	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/accessors-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, 1.6,1.8	commons-text	Apache v2.0
commons-compress	1.18, 1.19,1.20	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	4.5.7,4.5.12	httpmime	Apache v2.0

httpclient	4.5.6	httpclient	Apache v2.0
httpcore	4.4.10	httpcore	Apache v2.0
log4j-api	2.13.2,2.14.0	log4j-api	Apache v2.0
log4j-core	2.13.2,2.14.0	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
bcmail-jdk15on	1.6	bcmail-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, GPLv2 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 2.0GPLv2 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.core/jersey-common/2.28	Apache v2.0, EPL 2.0, GPL 2.0, public
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	5.4.17.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	6.1.5.Final	hibernate-validator	Apache v2.0
org.hyperledger.fabric-sdk-java	1.4.9	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	42.2.14	postgresql	BSD 2-clause
quartz	2.3.2	quartz	Apache v2.0
quartz-jobs	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	5.2.3,5.2.8.RELEASE	https://mvnrepository.com/artifact/org.springframework/spring-context	Apache v2.0
spring-core	5.2.3,5.2.8.RELEASE	https://mvnrepository.com/artifact/org.springframework/spring-core	Apache v2.0
spring-jdbc	5.2.3,5.2.8.RELEASE	https://mvnrepository.com/artifact/org.springframework/spring-jdbc	Apache v2.0
spring-webmvc	5.2.3,5.2.8.RELEASE	https://mvnrepository.com/artifact/org.springframework/spring-webmvc	Apache v2.0
spring-test	5.2.3,5.2.8.RELEASE	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,5.2.8. RELEASE	spring-web	Apache v2.0
spring-boot-dependencies	2.2.4	spring-boot-dependencies	Apache v2.0
spring-boot-starter	2.2.4,2.3.3.RELEASE	spring-boot-starter	Apache v2.0
spring-boot-starter-web	2.3.0.RELEASE, 2.3.3.RELEASE	spring-boot-starter-web	Apache v2.0
spring-boot-devtools	2.2.4,2.3.3.RELEASE	spring-boot-devtools	Apache v2.0
spring-boot	2.2.4,2.3.3.RELEASE	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-s+D290:D316tarter-tomcat	Apache v2.0
org.springframework ldap	2.3.2.RELEASE	spring-ldap-core	Apache v2.0
org.springframework.security	5.2.1,5.3.4.RELEASE	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
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opensaml	2.6.4	http://opensaml.org/	Apache v2.0
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nimbus-jose-jwt	8.19	https://bitbucket.org/connectid/nimbus-jose-jwt	Apache v2.0
aws-java-sdk-bom	1.11.256	aws-java-sdk-bom	Apache v2.0
aws-lambda-java-events	2.2.2	aws-lambda-java-events	Apache v2.0
aws-lambda-java-core	1.1.0	aws-lambda-java-core	Apache v2.0
s3	2.13.35	S3	Apache v2.0
aws-lambda-java-core	1.1.0	aws-lambda-java-core	Apache v2.0
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that everyone understands that there is no warranty for this free
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on

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1. xom

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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