Oracle® Cloud

Licensing Information User Manual for Oracle Fusion Data Intelligence

G37070-05

August 2025

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Apache 2.0	cxf-rt-features-logging	See cxf-rt-features-logging.
Apache 2.0	cxf-rt-transports-http-hc5	See cxf-rt-transports-http-hc5.
Apache 2.0	cxf-spring-boot-starter-jaxws	See cxf-spring-boot-starter-jaxws.
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FasterXML, LLC	Jackson Databind	See Jackson Databind.
FasterXML, LLC	Jackson Databind	See Jackson Databind.
FasterXML, LLC	Jackson Databind	See Jackson Databind.
FasterXML, LLC	jackson-dataformat-csv	See jackson-dataformat-csv.
FasterXML, LLC	jackson-dataformat-csv	See jackson-dataformat-csv.
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Eclipse Foundation	jetty-alpn-server	See jetty-alpn-server.
Eclipse Foundation	jetty-alpn-server	See jetty-alpn-server.
Eclipse Foundation	jetty-ee10-servlet	See jetty-ee10-servlet.
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Jonathan Hedley	jsoup	See jsoup.
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QOS.ch	jul-to-slf4j	See jul-to-slf4j.
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QOS.ch	logback-access-jetty12	See logback-access-jetty12.
QOS.ch	logback-classic	See logback-classic.
QOS.ch	logback-classic	See logback-classic.
QOS.ch	logback-classic	See logback-classic.
QOS.ch	logback-classic	See logback-classic.
QOS.ch	logback-core	See logback-core.
QOS.ch	logback-core	See logback-core.
QOS.ch	logback-core	See logback-core.
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Zalando SE	logbook-spring-boot-starter	See logbook-spring-boot-starter.
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Project Lombok	Lombok	See Lombok.
Project Lombok	Lombok	See Lombok .
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Microsoft	Microsoft JDBC Driver for SQL Server	See Microsoft JDBC Driver for SQL Server.
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Connect2id Ltd.	Nimbus JOSE+JWT	See Nimbus JOSE+JWT.
Connect2id Ltd.	Nimbus OAuth 2.0 SDK with OpenID Connect extensions	See Nimbus OAuth 2.0 SDK with OpenID Connect extensions.
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NumPy Developers	NumPy	See NumPy.
NumPy Developers	NumPy	See NumPy.
NumPy Developers	NumPy	See NumPy.
NumPy Developers	NumPy	See NumPy.
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The Apache Software Foundation	OpenCSV	See OpenCSV.
openpyxl	openpyxl	See openpyxl.
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scikit-learn developers	scikit-learn	See scikit-learn.
SciPy developers	scipy	See scipy.
Nils Reimers	sentence-transformers	See sentence-transformers.
Nikolay Kim	setuptools-rust	See setuptools-rust.
Scott Lundberg	shap	See shap.
QOS.ch	slf4j-api	See slf4j-api.
QOS.ch	slf4j-api	See slf4j-api.
QOS.ch	slf4j-api	See slf4j-api.
SnakeYAML.org	SnakeYAML	See SnakeYAML.
Snowflake Computing	Snowflake JDBC Driver	See Snowflake JDBC Driver.
Snowflake Computing	Snowflake JDBC Driver	See Snowflake JDBC Driver.
Pivotal, Inc.	spring-beans	See spring-beans.
Pivotal, Inc.	Spring Boot	See Spring Boot.
Pivotal, Inc.	spring-boot	See spring-boot.
Pivotal, Inc.	spring-boot-actuator-autoconfigure	See spring-boot-actuator-autoconfigure.
Pivotal, Inc.	spring-boot-autoconfigure	See spring-boot-starter-mail.
Pivotal, Inc.	spring-boot-autoconfigure	See spring-boot-autoconfigure.
Pivotal, Inc.	Spring-boot-starter	See Spring-boot-starter.
Pivotal, Inc.	Spring-boot-starter	See Spring-boot-starter.
Pivotal, Inc.	spring-boot-starter-actuator	See spring-boot-starter-actuator.
Pivotal, Inc.	spring-boot-starter-actuator	See spring-boot-starter-actuator.
Pivotal, Inc.	spring-boot-starter-actuator	See spring-boot-starter-actuator.
Pivotal, Inc.	spring-boot-starter-aop	See spring-boot-starter-aop.
Pivotal, Inc.	spring-boot-starter-batch	See spring-boot-starter-batch.
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Pivotal, Inc.	spring-boot-starter-data-jdbc	See .spring-boot-starter-data-jdbc
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Pivotal, Inc.	spring-boot-starter-data-jpa	See spring-boot-starter-data-jpa.
Pivotal, Inc.	spring-boot-starter-data-jpa	See spring-boot-starter-data-jpa.
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Pivotal, Inc.	spring-boot-starter-jdbc	See spring-boot-starter-jdbc.
Pivotal, Inc.	spring-boot-starter-jdbc	See spring-boot-starter-jdbc.
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Pivotal, Inc.	spring-boot-starter-jetty	See spring-boot-starter-jetty.
Pivotal, Inc.	spring-boot-starter-jetty	See spring-boot-starter-jetty.
Pivotal, Inc.	spring-boot-starter-json	See spring-boot-starter-json.
Pivotal, Inc.	spring-boot-starter-logging	See spring-boot-starter-logging.
Pivotal, Inc.	spring-boot-starter-logging	See spring-boot-starter-logging.
Pivotal, Inc.	spring-boot-starter-mail	See spring-boot-starter-mail.
Pivotal, Inc.	spring-boot-starter-quartz	See spring-boot-starter-quartz.
Pivotal, Inc.	spring-boot-starter-test	See spring-boot-starter-test.
Pivotal, Inc.	spring-boot-starter-validation	See spring-boot-starter-validation.
Pivotal, Inc.	spring-boot-starter-validation	See spring-boot-starter-validation.
Pivotal, Inc.	spring-boot-starter-web	See spring-boot-starter-web.
Pivotal, Inc.	spring-boot-starter-web	See spring-boot-starter-web.
Pivotal, Inc.	spring-boot-starter-web	See spring-boot-starter-web.
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Pivotal Software, Inc	spring-cloud-context	See spring-cloud-context.
Pivotal Software, Inc	spring-cloud-dependencies	See spring-cloud-dependencies.
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Pivotal Software, Inc	spring-cloud-starter	See spring-cloud-starter.
Pivotal Software, Inc	spring-cloud-starter	See spring-cloud-starter.
Pivotal Software, Inc	spring-cloud-starter	See spring-cloud-starter.
Pivotal, Inc.	spring-context	See spring-context.
Pivotal, Inc.	spring-context	See spring-context.
Pivotal Software, Inc	spring-core	See spring-core.
Pivotal Software, Inc	spring-core	See spring-core.
Pivotal Software, Inc	springdoc-openapi-starter-webmvc-ui	See springdoc-openapi-starter-webmvc-ui.
Pivotal, Inc.	springdoc-openapi-starter-webmvc-ui	See springdoc-openapi-starter-webmvc-ui.
Pivotal Software, Inc	spring-expression	See spring-expression.
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SmartBear Software	swagger-annotations	See swagger-annotations.
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Open Knowledge Foundation, Friedrich Lindenberg, Gregor Aisch	TableSchema	See TableSchema.
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Google	tensorflow-python	See tensorflow-python.
Google	tensorflow-python	See tensorflow-python.
The Apache Software Foundation	Tomcat	See Tomcat.
Daniel Holth	wheel version	See wheel version.

@types/showdown

Hamed Baatour, cbowdon, Pei-Tang Huang, Ariel-Saldana, and Yisrael Eliav

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Section: pkg.m4 - Macros to locate and utilise pkg-config.


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--------------------------------------------------------------------------------

This binary artifact contains Eclipse MicroProfile OpenAPI.

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Group: com.azure  Name: azure-core-http-netty  Version: 1.15.7
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Group: com.fasterxml.jackson.module Name: jackson-module-jaxb-annotations Version: 2.18.2
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```
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Group: com.microsoft.azure  Name: msal4j  Version: 1.17.2
Project URL (from manifest): https://github.com/AzureAD/microsoft-authentication-
library-for-java
Manifest License: "MIT License" (Not packaged)
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License

--------------------------------------------------------------------------------

Group: com.microsoft.azure  Name: msal4j-persistence-extension  Version: 1.3.0
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License
--------------------------------------------------------------------------------

Group: com.nimbusds  Name: content-type  Version: 2.3
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-content-type
License (from POM): The Apache Software License, Version 2.0 - https://
www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.nimbusds  Name: lang-tag  Version: 1.7
Project URL (from manifest): https://connect2id.com/
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-language-tags
License (from POM): The Apache Software License, Version 2.0 - https://
www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.nimbusds  Name: nimbus-jose-jwt  Version: 9.40
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-jose-jwt
License (from POM): The Apache Software License, Version 2.0 - https://
www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.nimbusds  Name: oauth2-oidc-sdk  Version: 11.18
Project URL (from manifest): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
Manifest License: "Apache License, version 2.0";link="https://www.apache.org/
licenses/LICENSE-2.0.html" (Not packaged)
Project URL (from POM): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
License (from POM): Apache License, version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0.html

--------------------------------------------------------------------------------

Group: com.sun.xml.bind  Name: jaxb-impl  Version: 2.2.3-1
Project URL (from POM): http://jaxb.java.net/
License (from POM): CDDL 1.1 - https://glassfish.java.net/public/
CDDL+GPL_1_1.html
```


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License (from POM): GPL2 w/ CPE - https://glassfish.java.net/public/
CDDL+GPL_1_1.html

Group: commons-beanutils Name: commons-beanutils Version: 1.9.4
Project URL (from manifest): https://commons.apache.org/proper/commons-beanutils/
Project URL (from POM): https://commons.apache.org/proper/commons-beanutils/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0.txt

Group: commons-cli Name: commons-cli Version: 1.5.0
Project URL (from manifest): http://commons.apache.org/cli/
Project URL (from POM): http://commons.apache.org/cli/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

Group: commons-codec Name: commons-codec Version: 1.17.1
Project URL (from manifest): https://commons.apache.org/proper/commons-codec/
Project URL (from POM): https://commons.apache.org/proper/commons-codec/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-collections Name: commons-collections Version: 3.2.2
Project URL (from manifest): http://commons.apache.org/collections/
Project URL (from POM): http://commons.apache.org/collections/
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.txt

Group: commons-dbcp Name: commons-dbcp Version: 1.4
Project URL (from manifest): http://commons.apache.org/dbcp/
Project URL (from POM): http://commons.apache.org/dbcp/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

Group: commons-io Name: commons-io Version: 2.16.1
Project URL (from manifest): https://commons.apache.org/proper/commons-io/
Project URL (from POM): https://commons.apache.org/proper/commons-io/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-lang Name: commons-lang Version: 2.6
Project URL (from manifest): http://commons.apache.org/lang/
Project URL (from POM): http://commons.apache.org/lang/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-logging Name: commons-logging Version: 1.3.0
Project URL (from manifest): http://commons.apache.org/proper/commons-logging/
Project URL (from POM): http://commons.apache.org/proper/commons-logging/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

Group: commons-net Name: commons-net Version: 3.9.0
Project URL (from manifest): https://commons.apache.org/proper/commons-net/
Project URL (from POM): https://commons.apache.org/proper/commons-net/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0.txt

Group: commons-pool Name: commons-pool Version: 1.6
Project URL (from manifest): http://commons.apache.org/pool/
Project URL (from POM): http://commons.apache.org/pool/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

Group: dev.failsafe Name: failsafe Version: 3.3.2
Project URL (from POM): https://github.com/failsafe-lib/failsafe
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0.txt

Group: dnsjava Name: dnsjava Version: 3.6.1
Project URL (from POM): http://www.dnsjava.org
License (from POM): BSD 2-Clause license - http://opensource.org/licenses/BSD-2-
Clause

Group: io.airlift Name: aircompressor Version: 2.0.2
Project URL (from POM): https://github.com/airlift/aircompressor
License (from POM): Apache License 2.0 - https://www.apache.org/licenses/
LICENSE-2.0.html

Group: io.dropwizard.metrics Name: metrics-core Version: 3.2.4
License (from POM): Apache License 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.html

Group: io.dropwizard.metrics Name: metrics-json Version: 3.1.0
License (from POM): Apache License 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.html

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Group: io.dropwizard.metrics Name: metrics-jvm Version: 3.1.0
License (from POM): Apache License 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.html

Group: io.grpc Name: grpc-alts Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-api Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-auth Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-context Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-core Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-googleapis Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-grpclb Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-inprocess Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.grpc Name: grpc-netty-shaded Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-protobuf  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-protobuf-lite  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-rls  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-services  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-stub  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-util  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.grpc  Name: grpc-xds  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.netty  Name: netty-buffer  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

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Group: io.netty  Name: netty-codec  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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licenses/LICENSE-2.0

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Group: io.netty Name: netty-codec-dns Version: 4.1.112.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-haproxy Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-http Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-http2 Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-memcache Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-mqtt Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-redis Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-codec-smtp Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
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Group: io.netty Name: netty-codec-socks Version: 4.1.115.Final
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Group: io.netty Name: netty-codec-stomp Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
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Group: io.netty Name: netty-codec-xml Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-common Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-handler Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-handler-proxy Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-handler-ssl-ocsp Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-resolver Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.netty Name: netty-resolver-dns Version: 4.1.112.Final
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Group: io.netty  Name: netty-resolver-dns-classes-macos  Version: 4.1.112.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

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Group: io.netty  Name: netty-resolver-dns-native-macos  Version: 4.1.112.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

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Group: io.netty  Name: netty-tcnative-boringssl-static  Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
Project URL (from POM): https://github.com/netty/netty-tcnative/netty-tcnative-
boringssl-static/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: io.netty  Name: netty-tcnative-classes  Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: io.netty  Name: netty-transport  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

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Group: io.netty  Name: netty-transport-classes-epoll  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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Group: io.netty  Name: netty-transport-classes-kqueue  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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Group: io.netty  Name: netty-transport-native-epoll  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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Group: io.netty  Name: netty-transport-native-kqueue  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

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Group: io.netty  Name: netty-transport-native-unix-common  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

--------------------------------------------------------------------------------

Group: io.netty  Name: netty-transport-rxtx  Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

--------------------------------------------------------------------------------

Group: io.netty  Name: netty-transport-sctp  Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

--------------------------------------------------------------------------------

Group: io.netty  Name: netty-transport-udt  Version: 4.1.100.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

--------------------------------------------------------------------------------

Group: io.opencensus  Name: opencensus-api  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
License (from POM): The Apache License, Version 2.0 - http://www.apache.org/
licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: io.opencensus  Name: opencensus-contrib-http-util  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
License (from POM): The Apache License, Version 2.0 - http://www.apache.org/
licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: io.perfmark  Name: perfmark-api  Version: 0.27.0
Project URL (from POM): https://github.com/perfmark/perfmark
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

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Group: io.projectreactor Name: reactor-core Version: 3.4.41
Project URL (from POM): https://github.com/reactor/reactor-core
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: io.projectreactor.netty Name: reactor-netty-core Version: 1.0.48
Project URL (from POM): https://github.com/reactor/reactor-netty
License (from POM): The Apache Software License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: io.projectreactor.netty Name: reactor-netty-http Version: 1.0.48
Project URL (from POM): https://github.com/reactor/reactor-netty
License (from POM): The Apache Software License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: jakarta.activation Name: jakarta.activation-api Version: 1.2.2
Project URL (from manifest): https://www.eclipse.org
License (from POM): EDL 1.0 - http://www.eclipse.org/org/documents/edl-v10.php
License (from POM): Eclipse Public License v. 2.0 - https://www.eclipse.org/org/documents/epl-2.0/EPL-2.0.txt
License (from POM): GNU General Public License, version 2 with the GNU Classpath Exception - https://www.gnu.org/software/classpath/license.html

---

Group: javax.annotation Name: javax.annotation-api Version: 1.3.2
Project URL (from manifest): https://javaee.github.io/glassfish
Project URL (from POM): http://jcp.org/en/jsr/detail?id=250
License (from POM): CDDL + GPLv2 with classpath exception - https://github.com/javaee/javax.annotation/blob/master/LICENSE

Group: javax.inject Name: javax.inject Version: 1
Project URL (from POM): http://code.google.com/p/atinject/
License (from POM): The Apache Software License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

---

Group: javax.jdo Name: jdo-api Version: 3.0.1
Project URL (from POM): http://db.apache.org/jdo
License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt

---

Group: javax.servlet Name: javax.servlet-api Version: 3.1.0
Project URL (from manifest): https://glassfish.dev.java.net
Project URL (from POM): http://servlet-spec.java.net
License (from POM): CDDL + GPLv2 with classpath exception - https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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Group: javax.servlet.jsp  Name: jsp-api  Version: 2.1
Project URL: https://github.com/javaee/javaee-jsp-api
License (from POM): CDDL + GPLv2 with classpath exception - https://github.com/
javaee/javaee-jsp-api/blob/master/LICENSE

--------------------------------------------------------------------------------

Group: javax.transaction  Name: jta  Version: 1.1
Project URL (from POM): http://java.sun.com/products/jta

--------------------------------------------------------------------------------

Group: javax.xml.bind  Name: jaxb-api  Version: 2.2.12
Project URL (from manifest): http://www.oracle.com/
Project URL (from POM): http://jaxb.java.net/
License (from POM): CDDL 1.1 - https://glassfish.java.net/public/
CDDL+GPL_1_1.html
License (from POM): GPL2 w/ CPE - https://glassfish.java.net/public/
CDDL+GPL_1_1.html

--------------------------------------------------------------------------------

Group: javolution  Name: javolution  Version: 5.5.1
Project URL (from manifest): http://javolution.org
Project URL (from POM): http://javolution.org
License (from POM): BSD License - http://javolution.org/LICENSE.txt

--------------------------------------------------------------------------------

Group: jline  Name: jline  Version: 2.12
License (from POM): The BSD License - http://www.opensource.org/licenses/bsd-
license.php

--------------------------------------------------------------------------------

Group: joda-time  Name: joda-time  Version: 2.8.1
Project URL (from manifest): http://www.joda.org/joda-time/
Manifest License: Apache 2.0 (Not packaged)
Project URL (from POM): http://www.joda.org/joda-time/
License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: net.java.dev.jna  Name: jna  Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): LGPL-2.1-or-later - https://www.gnu.org/licenses/old-
licenses/lgpl-2.1

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Group: net.java.dev.jna  Name: jna-platform  Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): LGPL-2.1-or-later - https://www.gnu.org/licenses/old-
licenses/lgpl-2.1
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Group: net.minidev  Name: accessors-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
Project URL (from POM): https://urielch.github.io/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: net.minidev  Name: json-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
Project URL (from POM): https://urielch.github.io/
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--------------------------------------------------------------------------------

Group: net.sf.opencsv  Name: opencsv  Version: 2.3
Project URL (from POM): http://opencsv.sf.net
License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: org.antlr  Name: antlr-runtime  Version: 3.5.2
Project URL (from POM): http://www.antlr.org
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Group: org.apache.ant  Name: ant  Version: 1.9.1
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Group: org.apache.ant  Name: ant-launcher  Version: 1.9.1
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Group: org.apache.avro  Name: avro  Version: 1.12.0
Project URL (from manifest): https://www.apache.org/
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Group: org.apache.commons  Name: commons-compress  Version: 1.27.1
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Group: org.apache.commons Name: commons-configuration2 Version: 2.10.1
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Group: org.apache.commons Name: commons-lang3 Version: 3.16.0
Project URL (from manifest): https://commons.apache.org/proper/commons-lang/
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Group: org.apache.commons Name: commons-math3 Version: 3.6.1
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Group: org.apache.commons Name: commons-text Version: 1.11.0
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Group: org.apache.curator Name: curator-client Version: 5.2.0
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Group: org.apache.curator Name: curator-framework Version: 5.2.0
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Group: org.apache.curator Name: curator-recipes Version: 5.2.0
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Group: org.apache.hadoop  Name: hadoop-annotations  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-auth  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-hdfs-client  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-mapreduce-client-common  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-mapreduce-client-core  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-mapreduce-client-jobclient  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-yarn-api  Version: 3.4.1
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Group: org.apache.hadoop Name: hadoop-yarn-common Version: 3.4.1
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Group: org.apache.hadoop.thirdparty Name: hadoop-shaded-guava Version: 1.3.0
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Group: org.apache.hadoop.thirdparty Name: hadoop-shaded-protobuf_3_25 Version:
1.3.0
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Group: org.apache.hive Name: hive-common Version: 2.3.9
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Group: org.apache.hive Name: hive-metastore Version: 2.3.9
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Group: org.apache.hive Name: hive-serde Version: 2.3.9
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Group: org.apache.hive Name: hive-shims Version: 2.3.9
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Group: org.apache.hive Name: hive-storage-api Version: 2.4.0
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Group: org.apache.hive.shims  Name: hive-shims-0.23  Version: 2.3.9
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Group: org.apache.hive.shims  Name: hive-shims-common  Version: 2.3.9
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Group: org.apache.hive.shims  Name: hive-shims-scheduler  Version: 2.3.9
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Group: org.apache.httpcomponents  Name: httpclient  Version: 4.5.13
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Group: org.apache.httpcomponents  Name: httpcore  Version: 4.4.16
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Group: org.apache.httpcomponents.client5  Name: httpclient5  Version: 5.4.1
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Group: org.apache.httpcomponents.core5  Name: httpcore5  Version: 5.3.1
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Group: org.apache.httpcomponents.core5  Name: httpcore5-h2  Version: 5.3.1
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Group: org.apache.kerby  Name: kerb-core  Version: 2.0.3
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Group: org.apache.kerby Name: kerb-util Version: 2.0.3
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Group: org.apache.kerby Name: kerby-asn1 Version: 2.0.3
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Group: org.apache.kerby Name: kerby-config Version: 2.0.3
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Group: org.apache.kerby Name: kerby-pkix Version: 2.0.3
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Group: org.apache.kerby Name: kerby-util Version: 2.0.3
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Group: org.apache.orc Name: orc-core Version: 1.9.5
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Group: org.apache.orc Name: orc-shims Version: 1.9.5
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Group: org.apache.parquet Name: parquet-avro Version: 1.15.0
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Group: org.apache.parquet Name: parquet-column Version: 1.15.0

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Group: org.apache.parquet  Name: parquet-common  Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-encoding  Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-format-structures  Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-hadoop  Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-jackson  Version: 1.15.0
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Group: org.apache.thrift  Name: libfb303  Version: 0.9.3
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Group: org.apache.yetus  Name: audience-annotations  Version: 0.12.0
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Group: org.apache.zookeeper  Name: zookeeper  Version: 3.8.4
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Group: org.apache.zookeeper  Name: zookeeper-jute  Version: 3.8.4
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Group: org.checkerframework  Name: checker-qual  Version: 3.48.3
Manifest License: MIT (Not packaged)
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Group: org.codehaus.jettison  Name: jettison  Version: 1.5.4
Project URL (from POM): https://github.com/jettison-json/jettison
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Group: org.codehaus.mojo  Name: animal-sniffer-annotations  Version: 1.24
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Group: org.codehaus.woodstox  Name: stax2-api  Version: 4.2.2
Project URL (from manifest): http://github.com/FasterXML/stax2-api
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Group: org.datanucleus Name: datanucleus-api-jdo Version: 4.2.4
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Group: org.datanucleus Name: datanucleus-core Version: 4.1.17
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Group: org.datanucleus Name: datanucleus-rdbms Version: 4.1.19
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Group: org.datanucleus Name: javax.jdo Version: 3.2.0-m3
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Group: org.eclipse.jetty Name: jetty-client Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-http Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-io Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-security Version: 9.4.53.v20231009

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Group: org.eclipse.jetty Name: jetty-servlet Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-util Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-util-ajax Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-webapp Version: 9.4.53.v20231009
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Group: org.eclipse.jetty Name: jetty-xml Version: 9.4.53.v20231009
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Group: org.eclipse.jetty.websocket Name: websocket-api Version: 9.4.53.v20231009
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Group: org.eclipse.jetty.websocket Name: websocket-common Version:
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Group: org.jetbrains Name: annotations Version: 17.0.0
Project URL (from POM): https://github.com/JetBrains/java-annotations
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Group: org.jline Name: jline Version: 3.9.0
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Group: org.ow2.asm Name: asm Version: 9.6
Project URL (from manifest): http://asm.ow2.org
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Group: org.reactivestreams Name: reactive-streams Version: 1.0.4
Project URL (from manifest): http://reactive-streams.org
Project URL (from POM): http://www.reactive-streams.org/
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Group: org.roaringbitmap Name: RoaringBitmap Version: 1.3.0
Project URL (from POM): https://github.com/RoaringBitmap/RoaringBitmap
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Group: org.slf4j  Name: slf4j-api  Version: 2.0.16
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Group: org.slf4j  Name: slf4j-reload4j  Version: 1.7.36
Project URL (from POM): http://reload4j.qos.ch
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Group: org.threeten  Name: threeten-extra  Version: 1.7.1
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Project URL (from POM): https://www.threeten.org/threeten-extra
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Group: org.threeten  Name: threetenbp  Version: 1.7.0
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threetenbp/main/LICENSE.txt

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Group: org.xerial.snappy  Name: snappy-java  Version: 1.1.10.7
Project URL (from manifest): http://www.xerial.org/
Project URL (from POM): https://github.com/xerial/snappy-java
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Group: software.amazon.awssdk  Name: annotations  Version: 2.29.52
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Group: software.amazon.awssdk  Name: apache-client  Version: 2.29.52
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Group: software.amazon.awssdk  Name: arns  Version: 2.29.52
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Group: software.amazon.awssdk  Name: auth  Version: 2.29.52
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Group: software.amazon.eventstream Name: eventstream Version: 1.0.1
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Group: org.slf4j Name: slf4j-api Version: 2.0.16
Project URL: http://www.slf4j.org
License (from POM): MIT License - http://www.opensource.org/licenses/mit-license.php

---

Group: org.xerial Name: sqlite-jdbc Version: 3.47.0.0
Project URL (from POM): https://github.com/xerial/sqlite-jdbc
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Group: software.amazon.awssdk Name: annotations Version: 2.29.6
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Group: software.amazon.awssdk Name: apache-client Version: 2.29.6
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Group: software.amazon.awssdk Name: arns Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: auth Version: 2.29.6
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Group: software.amazon.awssdk  Name: aws-core  Version: 2.29.6
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Group: software.amazon.awssdk  Name: aws-json-protocol  Version: 2.29.6
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Group: software.amazon.awssdk  Name: aws-query-protocol  Version: 2.29.6
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Group: software.amazon.awssdk  Name: aws-xml-protocol  Version: 2.29.6
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Group: software.amazon.awssdk  Name: checksums  Version: 2.29.6
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Group: software.amazon.awssdk  Name: checksums-spi  Version: 2.29.6
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Group: software.amazon.awssdk  Name: crt-core  Version: 2.29.6
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Group: software.amazon.awssdk  Name: dynamodb  Version: 2.29.6
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Group: software.amazon.awssdk Name: glue Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: http-auth Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: http-auth-aws Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: http-auth-aws-eventstream Version: 2.29.6
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Group: software.amazon.awssdk Name: http-auth-spi Version: 2.29.6
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Group: software.amazon.awssdk Name: http-client-spi Version: 2.29.6
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Group: software.amazon.awssdk Name: iam Version: 2.29.6
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Group: software.amazon.awssdk Name: identity-spi Version: 2.29.6
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Group: software.amazon.awssdk Name: kms Version: 2.29.6
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Group: software.amazon.awssdk Name: lakeformation Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: metrics-spi Version: 2.29.6
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Group: software.amazon.awssdk Name: netty-nio-client Version: 2.29.6
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Group: software.amazon.awssdk Name: profiles Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: protocol-core Version: 2.29.6
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: regions Version: 2.29.6
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Group: software.amazon.awssdk Name: retries Version: 2.29.6

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Group: software.amazon.awssdk  Name: s3  Version: 2.29.6
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Group: software.amazon.awssdk  Name: sdk-core  Version: 2.29.6
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Group: software.amazon.awssdk  Name: sso  Version: 2.29.6
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Group: software.amazon.awssdk  Name: sts  Version: 2.29.6
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Group: software.amazon.awssdk  Name: third-party-jackson-core  Version: 2.29.6
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Group: software.amazon.awssdk  Name: utils  Version: 2.29.6
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Group: software.amazon.eventstream  Name: eventstream  Version: 1.0.1
Project URL (from POM): https://github.com/awslabs/aws-eventstream-java
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Group: com.google.api Name: gax-grpc Version: 2.57.0
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Group: com.google.api Name: gax-httpjson Version: 2.57.0
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Group: com.google.api-client Name: google-api-client Version: 2.7.0
Project URL (from manifest): https://developers.google.com/api-client-library/java/
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Group: com.google.api.grpc Name: gapic-google-cloud-storage-v2 Version: 2.44.1-beta
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Group: com.google.api.grpc Name: grpc-google-cloud-storage-v2 Version: 2.44.1-beta
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Group: com.google.api.grpc Name: proto-google-cloud-storage-v2 Version: 2.44.1-beta
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Group: com.google.api.grpc Name: proto-google-common-protos Version: 2.48.0
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
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Group: com.google.api.grpc  Name: proto-google-iam-v1  Version: 1.43.0
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
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--------------------------------------------------------------------------------

Group: com.google.apis  Name: google-api-services-storage  Version: v1-
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Group: com.google.auto.value  Name: auto-value-annotations  Version: 1.11.0
Project URL (from POM): https://github.com/google/auto/tree/main/value
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Group: com.google.cloud  Name: google-cloud-core  Version: 2.47.0
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Group: com.google.cloud  Name: google-cloud-core-grpc  Version: 2.47.0
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Group: com.google.cloud  Name: google-cloud-core-http  Version: 2.47.0
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Group: com.google.cloud  Name: google-cloud-storage  Version: 2.47.1
Project URL (from POM): https://github.com/googleapis/java-storage
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--------------------------------------------------------------------------------
Group: com.microsoft.azure  Name: msal4j  Version: 1.17.2
Project URL (from manifest): https://github.com/AzureAD/microsoft-authentication-
library-for-java
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Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-library-for-java
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Group: com.microsoft.azure Name: msal4j-persistence-extension Version: 1.3.0
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-library-for-java
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This binary artifact contains code from the following projects:

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Group: com.azure Name: azure-core-http-netty Version: 1.15.7
Project URL (from POM): https://github.com/Azure/azure-sdk-for-java

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Group: com.azure  Name: azure-json  Version: 1.3.0
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Group: com.azure  Name: azure-storage-blob  Version: 12.29.0
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Group: com.azure  Name: azure-storage-common  Version: 12.28.0
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Group: com.azure  Name: azure-storage-file-datalake  Version: 12.22.0
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Group: com.azure  Name: azure-storage-internal-avro  Version: 12.14.0
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Group: com.azure  Name: azure-xml  Version: 1.1.0
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Group: com.fasterxml.jackson.core  Name: jackson-annotations  Version: 2.18.2
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Group: com.fasterxml.jackson.core  Name: jackson-core  Version: 2.18.2
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Group: com.fasterxml.jackson.core Name: jackson-databind Version: 2.18.2
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Group: com.fasterxml.jackson.datatype Name: jackson-datatype-jsr310 Version: 2.18.2
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Group: com.fasterxml.woodstox Name: woodstox-core Version: 6.7.0
Project URL (from manifest): https://github.com/FasterXML/woodstox
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License (from POM): The Apache License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): The Apache Software License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

---

Group: com.github.ben-manes.caffeine Name: caffeine Version: 2.9.3
Project URL (from POM): https://github.com/ben-manes/caffeine
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

---

Group: com.github.luben Name: zstd-jni Version: 1.5.6-6
License URL (from manifest): https://opensource.org/licenses/BSD-2-Clause
Project URL (from POM): https://github.com/luben/zstd-jni
License (from POM): BSD 2-Clause License - https://opensource.org/licenses/BSD-2-Clause

---

Group: com.github.pjfanning Name: jersey-json Version: 1.22.0
Project URL (from POM): https://github.com/pjfanning/jersey-1.x
License (from POM): CDDL 1.1 - http://glassfish.java.net/public/CDDL+GPL_1_1.html
License (from POM): GPL2 w/ CPE - http://glassfish.java.net/public/CDDL+GPL_1_1.html

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--------------------------------------------------------------------------------

Group: com.github.stephenc.jcip  Name: jcip-annotations  Version: 1.0-1
Project URL (from POM): http://stephenc.github.com/jcip-annotations
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.google.android  Name: annotations  Version: 4.1.1.4
Project URL (from POM): http://source.android.com/
License (from POM): Apache 2.0 - http://www.apache.org/licenses/LICENSE-2.0

--------------------------------------------------------------------------------

Group: com.google.api  Name: api-common  Version: 2.42.1
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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blob/main/LICENSE

--------------------------------------------------------------------------------

Group: com.google.api  Name: gax  Version: 2.59.1
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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master/LICENSE

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Group: com.google.api  Name: gax-grpc  Version: 2.59.1
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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master/LICENSE

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Group: com.google.api  Name: gax-httpjson  Version: 2.59.1
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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master/LICENSE

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Group: com.google.api-client  Name: google-api-client  Version: 2.7.1
Project URL (from manifest): https://developers.google.com/api-client-library/
java/
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Group: com.google.api.grpc  Name: gapic-google-cloud-storage-v2  Version: 2.47.0
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Group: com.google.api.grpc  Name: grpc-google-cloud-storage-v2  Version: 2.47.0
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Group: com.google.api.grpc  Name: proto-google-cloud-storage-v2  Version: 2.47.0
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Group: com.google.api.grpc  Name: proto-google-common-protos  Version: 2.50.1
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: com.google.api.grpc  Name: proto-google-iam-v1  Version: 1.45.1
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.google.apis  Name: google-api-services-storage  Version: v1-
rev20241206-2.0.0
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Group: com.google.auth  Name: google-auth-library-credentials  Version: 1.30.1
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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Group: com.google.auth  Name: google-auth-library-oauth2-http  Version: 1.30.1
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Group: com.google.auto.value  Name: auto-value-annotations  Version: 1.11.0
Project URL (from POM): https://github.com/google/auto/tree/main/value
License (from POM): Apache 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

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Group: com.google.cloud  Name: google-cloud-core  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-core-grpc  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-core-http  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-storage  Version: 2.47.0
Project URL (from POM): https://github.com/googleapis/java-storage
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Group: com.google.code.findbugs  Name: jsr305  Version: 3.0.2
Project URL (from POM): http://findbugs.sourceforge.net/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: com.google.code.gson  Name: gson  Version: 2.11.0
Project URL (from manifest): https://github.com/google/gson
Manifest License: "Apache-2.0";link="https://www.apache.org/licenses/
LICENSE-2.0.txt" (Not packaged)
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Group: com.google.errorprone  Name: error_prone_annotations  Version: 2.36.0
Project URL (from manifest): https://errorprone.info/error_prone_annotations
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Group: com.google.guava  Name: failureaccess  Version: 1.0.2
Project URL (from manifest): https://github.com/google/guava/
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Group: com.google.guava  Name: guava  Version: 33.4.0-jre
Project URL (from manifest): https://github.com/google/guava/
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Group: com.google.guava  Name: listenablefuture  Version: 9999.0-empty-to-avoid-
conflict-with-guava
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Group: com.google.http-client  Name: google-http-client  Version: 1.45.3
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Group: com.google.http-client  Name: google-http-client-apache-v2  Version:
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Group: com.google.http-client  Name: google-http-client-appengine  Version:
1.45.3
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Group: com.google.http-client  Name: google-http-client-gson  Version: 1.45.3
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Group: com.google.http-client  Name: google-http-client-jackson2  Version: 1.45.3
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Group: com.google.j2objc  Name: j2objc-annotations  Version: 3.0.0
Project URL (from POM): https://github.com/google/j2objc/
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Group: com.google.oauth-client  Name: google-oauth-client  Version: 1.37.0
Project URL (from manifest): https://www.google.com/
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www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: com.google.protobuf  Name: protobuf-java  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
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Group: com.google.protobuf  Name: protobuf-java-util  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
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Group: com.google.re2j  Name: re2j  Version: 1.7
Project URL (from POM): http://github.com/google/re2j
License (from POM): Go License - https://golang.org/LICENSE

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Group: com.jcraft  Name: jsch  Version: 0.1.55
Project URL (from POM): http://www.jcraft.com/jsch/
License (from POM): Revised BSD - http://www.jcraft.com/jsch/LICENSE.txt

--------------------------------------------------------------------------------

Group: com.microsoft.azure  Name: msal4j  Version: 1.17.2
Project URL (from manifest): https://github.com/AzureAD/microsoft-authentication-
library-for-java
Manifest License: "MIT License" (Not packaged)
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License

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Group: com.microsoft.azure  Name: msal4j-persistence-extension  Version: 1.3.0
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License

--------------------------------------------------------------------------------

Group: com.nimbusds  Name: content-type  Version: 2.3
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-content-type
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Group: com.nimbusds  Name: lang-tag  Version: 1.7
Project URL (from manifest): https://connect2id.com/
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-language-tags
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Group: com.nimbusds  Name: nimbus-jose-jwt  Version: 9.40
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-jose-jwt
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Group: com.nimbusds  Name: oauth2-oidc-sdk  Version: 11.18
Project URL (from manifest): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
```


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Project URL (from POM): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-openid-connect-extensions
License (from POM): Apache License, version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.html

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Group: com.sun.xml.bind Name: jaxb-impl Version: 2.2.3-1
Project URL (from POM): http://jaxb.java.net/
License (from POM): CDDL 1.1 - https://glassfish.java.net/public/CDDL+GPL_1_1.html
License (from POM): GPL2 w/ CPE - https://glassfish.java.net/public/CDDL+GPL_1_1.html

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Group: commons-beanutils Name: commons-beanutils Version: 1.9.4
Project URL (from manifest): https://commons.apache.org/proper/commons-beanutils/
Project URL (from POM): https://commons.apache.org/proper/commons-beanutils/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

---

Group: commons-cli Name: commons-cli Version: 1.5.0
Project URL (from manifest): http://commons.apache.org/cli/
Project URL (from POM): http://commons.apache.org/cli/
License (from POM): The Apache Software License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-codec Name: commons-codec Version: 1.17.1
Project URL (from manifest): https://commons.apache.org/proper/commons-codec/
Project URL (from POM): https://commons.apache.org/proper/commons-codec/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-collections Name: commons-collections Version: 3.2.2
Project URL (from manifest): http://commons.apache.org/collections/
Project URL (from POM): http://commons.apache.org/collections/
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

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Group: commons-io Name: commons-io Version: 2.16.1
Project URL (from manifest): https://commons.apache.org/proper/commons-io/
Project URL (from POM): https://commons.apache.org/proper/commons-io/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.apache.commons Name: commons-lang3 Version: 3.16.0
Project URL (from manifest): http://commons.apache.org/lang/

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Group: commons-logging Name: commons-logging Version: 1.2
Project URL (from manifest): http://commons.apache.org/proper/commons-logging/
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Group: commons-net Name: commons-net Version: 3.9.0
Project URL (from manifest): https://commons.apache.org/proper/commons-net/
Project URL (from POM): https://commons.apache.org/proper/commons-net/
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Group: commons-pool Name: commons-pool Version: 1.6
Project URL (from manifest): http://commons.apache.org/pool/
Project URL (from POM): http://commons.apache.org/pool/
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Group: dev.failsafe Name: failsafe Version: 3.3.2
Project URL (from POM): https://github.com/failsafe-lib/failsafe
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Group: dnsjava Name: dnsjava Version: 3.6.1
Project URL (from POM): http://www.dnsjava.org
License (from POM): BSD 2-Clause license - http://opensource.org/licenses/BSD-2-Clause

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Group: io.airlift Name: aircompressor Version: 2.0.2
Project URL (from POM): https://github.com/airlift/aircompressor
License (from POM): Apache License 2.0 - https://www.apache.org/licenses/LICENSE-2.0.html

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Group: io.dropwizard.metrics Name: metrics-core Version: 3.2.4
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Group: io.grpc Name: grpc-alts Version: 1.69.0

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```
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-api  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-auth  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-context  Version: 1.69.0
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Group: io.grpc  Name: grpc-core  Version: 1.69.0
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Group: io.grpc  Name: grpc-googleapis  Version: 1.69.0
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Group: io.grpc  Name: grpc-grpclb  Version: 1.69.0
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Group: io.grpc  Name: grpc-inprocess  Version: 1.69.0
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Group: io.grpc  Name: grpc-netty-shaded  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-protobuf  Version: 1.69.0
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Group: io.grpc  Name: grpc-protobuf-lite  Version: 1.69.0
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Group: io.grpc  Name: grpc-rls  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-services  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-stub  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-util  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-xds  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.netty  Name: netty-buffer  Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
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Group: io.netty  Name: netty-codec  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-dns  Version: 4.1.112.Final
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Group: io.netty Name: netty-codec-http Version: 4.1.115.Final
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Group: io.netty Name: netty-codec-http2 Version: 4.1.115.Final
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Group: io.netty Name: netty-codec-socks Version: 4.1.115.Final
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Group: io.netty Name: netty-handler-proxy Version: 4.1.115.Final
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Group: io.netty Name: netty-resolver Version: 4.1.115.Final
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Group: io.netty Name: netty-resolver-dns Version: 4.1.112.Final
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Group: io.netty Name: netty-resolver-dns-classes-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-resolver-dns-native-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-tcnative-boringssl-static Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
Project URL (from POM): https://github.com/netty/netty-tcnative/netty-tcnative-boringssl-static/
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Group: io.netty Name: netty-tcnative-classes Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
License (from POM): The Apache Software License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt

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Group: io.netty Name: netty-transport Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0

Group: io.netty Name: netty-transport-classes-epoll Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0

Group: io.netty Name: netty-transport-classes-kqueue Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0

Group: io.netty Name: netty-transport-native-epoll Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0

Group: io.netty Name: netty-transport-native-kqueue Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/

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Group: io.netty Name: netty-transport-native-unix-common Version: 4.1.115.Final
Project URL (from manifest): https://netty.io/
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0

Group: io.opencensus Name: opencensus-api Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
License (from POM): The Apache License, Version 2.0 - http://www.apache.org/
licenses/LICENSE-2.0.txt

Group: io.opencensus Name: opencensus-contrib-http-util Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
License (from POM): The Apache License, Version 2.0 - http://www.apache.org/
licenses/LICENSE-2.0.txt

Group: io.perfmark Name: perfmark-api Version: 0.27.0
Project URL (from POM): https://github.com/perfmark/perfmark
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0

Group: io.projectreactor Name: reactor-core Version: 3.4.41
Project URL (from POM): https://github.com/reactor/reactor-core
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
licenses/LICENSE-2.0.txt

Group: io.projectreactor.netty Name: reactor-netty-core Version: 1.0.48
Project URL (from POM): https://github.com/reactor/reactor-netty
License (from POM): The Apache Software License, Version 2.0 - https://
www.apache.org/licenses/LICENSE-2.0.txt

Group: io.projectreactor.netty Name: reactor-netty-http Version: 1.0.48
Project URL (from POM): https://github.com/reactor/reactor-netty
License (from POM): The Apache Software License, Version 2.0 - https://
www.apache.org/licenses/LICENSE-2.0.txt

Group: jakarta.activation Name: jakarta.activation-api Version: 1.2.1
Project URL (from manifest): https://www.eclipse.org
License (from POM): EDL 1.0 - http://www.eclipse.org/org/documents/edl-v10.php
License (from POM): Eclipse Public License v. 2.0 - https://www.eclipse.org/org/
documents/epl-2.0/EPL-2.0.txt

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Group: javax.annotation Name: javax.annotation-api Version: 1.3.2
Project URL (from manifest): https://javaee.github.io/glassfish
Project URL (from POM): http://jcp.org/en/jsr/detail?id=250
License (from POM): CDDL + GPLv2 with classpath exception - https://github.com/javaee/javax.annotation/blob/master/LICENSE

Group: javax.servlet Name: javax.servlet-api Version: 3.1.0
Project URL (from manifest): https://glassfish.dev.java.net
Project URL (from POM): http://servlet-spec.java.net
License (from POM): CDDL + GPLv2 with classpath exception - https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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Group: javax.servlet.jsp Name: jsp-api Version: 2.1
Project URL: https://github.com/javaee/javaee-jsp-api
License (from POM): CDDL + GPLv2 with classpath exception - https://github.com/javaee/javaee-jsp-api/blob/master/LICENSE

Group: javax.xml.bind Name: jaxb-api Version: 2.2.2
Project URL (from POM): https://jaxb.dev.java.net/
License (from POM): CDDL 1.1 - https://glassfish.dev.java.net/public/CDDL+GPL_1_1.html
License (from POM): GPL2 w/ CPE - https://glassfish.dev.java.net/public/CDDL+GPL_1_1.html

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Group: javax.xml.stream Name: stax-api Version: 1.0-2
License (from POM): COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0 - http://www.sun.com/cddl/cddl.html
License (from POM): GNU General Public Library - http://www.gnu.org/licenses/gpl.txt

---

Group: net.java.dev.jna Name: jna Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): LGPL-2.1-or-later - https://www.gnu.org/licenses/old-licenses/lgpl-2.1

Group: net.java.dev.jna Name: jna-platform Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): LGPL-2.1-or-later - https://www.gnu.org/licenses/old-licenses/lgpl-2.1

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Group: net.minidev  Name: accessors-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
Project URL (from POM): https://urielch.github.io/
License (from POM): The Apache Software License, Version 2.0 - http://
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Group: net.minidev  Name: json-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
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Group: org.apache.avro  Name: avro  Version: 1.12.0
Project URL (from manifest): https://www.apache.org/
Project URL (from POM): https://avro.apache.org
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.apache.commons  Name: commons-compress  Version: 1.27.1
Project URL (from manifest): https://commons.apache.org/proper/commons-compress/
Project URL (from POM): https://commons.apache.org/proper/commons-compress/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.apache.commons  Name: commons-math3  Version: 3.6.1
Project URL (from manifest): http://commons.apache.org/math/
Project URL (from POM): http://commons.apache.org/math/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.apache.commons  Name: commons-text  Version: 1.10.0
Project URL (from manifest): https://commons.apache.org/proper/commons-text
Project URL (from POM): https://commons.apache.org/proper/commons-text
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licenses/LICENSE-2.0.txt

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Group: org.apache.hadoop  Name: hadoop-annotations  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-common  Version: 3.4.1
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Group: org.apache.hadoop.thirdparty  Name: hadoop-shaded-guava  Version: 1.3.0
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Group: org.apache.hadoop.thirdparty  Name: hadoop-shaded-protobuf_3_25  Version:
1.3.0
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licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: org.apache.httpcomponents  Name: httpclient  Version: 4.5.13
Project URL (from POM): http://hc.apache.org/httpcomponents-client
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/
LICENSE-2.0.txt

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Group: org.apache.httpcomponents  Name: httpcore  Version: 4.4.16
Project URL (from POM): http://hc.apache.org/httpcomponents-core-ga
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/
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Group: org.apache.httpcomponents.client5  Name: httpclient5  Version: 5.4.1
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Group: org.apache.httpcomponents.core5  Name: httpcore5  Version: 5.3.1
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Group: org.apache.httpcomponents.core5  Name: httpcore5-h2  Version: 5.3.1
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licenses/LICENSE-2.0.txt

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Group: org.apache.orc  Name: orc-core  Version: 1.9.5
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Group: org.apache.orc  Name: orc-shims  Version: 1.9.5
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Group: org.apache.parquet  Name: parquet-avro  Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-column  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org
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Group: org.apache.parquet  Name: parquet-common  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org
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Group: org.apache.parquet  Name: parquet-encoding  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org
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licenses/LICENSE-2.0.txt
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Group: org.apache.parquet  Name: parquet-format-structures  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org/
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Group: org.apache.parquet  Name: parquet-hadoop  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org
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licenses/LICENSE-2.0.txt
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Group: org.apache.parquet  Name: parquet-jackson  Version: 1.15.0
Project URL (from POM): https://parquet.apache.org
```


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Group: org.checkerframework Name: checker-qual Version: 3.48.3
Manifest License: MIT (Not packaged)
Project URL (from POM): https://checkerframework.org/
License (from POM): The MIT License - http://opensource.org/licenses/MIT

Group: org.codehaus.jettison Name: jettison Version: 1.5.4
Project URL (from POM): https://github.com/jettison-json/jettison
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0

Group: org.codehaus.mojo Name: animal-sniffer-annotations Version: 1.24
License (from POM): MIT license - https://spdx.org/licenses/MIT.txt
License (from POM): The Apache Software License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.codehaus.woodstox Name: stax2-api Version: 4.2.2
Project URL (from manifest): http://github.com/FasterXML/stax2-api
Project URL (from POM): http://github.com/FasterXML/stax2-api
License (from POM): The Apache Software License, Version 2.0 - http://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): The BSD 2-Clause License - http://www.opensource.org/licenses/bsd-license.php

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Group: org.conscrypt Name: conscrypt-openjdk-uber Version: 2.5.2
Project URL (from POM): https://conscrypt.org/
License (from POM): Apache 2 - https://www.apache.org/licenses/LICENSE-2.0

Group: org.jetbrains Name: annotations Version: 17.0.0
Project URL (from POM): https://github.com/JetBrains/java-annotations
License (from POM): The Apache Software License, Version 2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt

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Group: org.ow2.asm Name: asm Version: 9.6
Project URL (from manifest): http://asm.ow2.org
Manifest License: BSD-3-Clause;link=https://asm.ow2.io/LICENSE.txt (Not packaged)
Project URL (from POM): http://asm.ow2.io/
License (from POM): BSD-3-Clause - https://asm.ow2.io/license.html
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Group: org.reactivestreams  Name: reactive-streams  Version: 1.0.4
Project URL (from manifest): http://reactive-streams.org
Project URL (from POM): http://www.reactive-streams.org/
License (from POM): MIT-0 - https://spdx.org/licenses/MIT-0.html

--------------------------------------------------------------------------------

Group: org.roaringbitmap  Name: RoaringBitmap  Version: 1.3.0
Project URL (from POM): https://github.com/RoaringBitmap/RoaringBitmap
License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt

--------------------------------------------------------------------------------

Group: org.slf4j  Name: slf4j-api  Version: 2.0.16
Project URL (from manifest): http://www.slf4j.org
Project URL (from POM): http://www.slf4j.org
License (from POM): MIT License - http://www.opensource.org/licenses/mit-
license.php

--------------------------------------------------------------------------------

Group: org.threeten  Name: threeten-extra  Version: 1.7.1
Project URL (from manifest): https://www.threeten.org
Project URL (from POM): https://www.threeten.org/threeten-extra
License (from POM): BSD 3-clause - https://raw.githubusercontent.com/ThreeTen/
threeten-extra/master/LICENSE.txt

--------------------------------------------------------------------------------

Group: org.threeten  Name: threetenbp  Version: 1.7.0
Project URL (from manifest): https://www.threeten.org
Project URL (from POM): https://www.threeten.org/threetenbp
License (from POM): BSD-3-Clause - https://raw.githubusercontent.com/ThreeTen/
threetenbp/main/LICENSE.txt

--------------------------------------------------------------------------------

Group: org.xerial.snappy  Name: snappy-java  Version: 1.1.10.7
Project URL (from manifest): http://www.xerial.org/
Project URL (from POM): https://github.com/xerial/snappy-java
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.html

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Group: software.amazon.awssdk  Name: annotations  Version: 2.29.52
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

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Group: software.amazon.awssdk  Name: apache-client  Version: 2.29.52
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Group: software.amazon.awssdk Name: arns Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: auth Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: aws-core Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: aws-json-protocol Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: aws-query-protocol Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
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Group: software.amazon.awssdk Name: aws-xml-protocol Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: checksums Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: checksums-spi Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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apache2.0

Group: software.amazon.awssdk Name: crt-core Version: 2.29.52

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Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: dynamodb  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: endpoints-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: glue  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: http-auth  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: http-auth-aws  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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apache2.0

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Group: software.amazon.awssdk  Name: http-auth-aws-crt  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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apache2.0

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Group: software.amazon.awssdk  Name: http-auth-aws-eventstream  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: http-auth-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: http-client-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: iam  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: identity-spi  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: json-utils  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: kms  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: lakeformation  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: metrics-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: netty-nio-client  Version: 2.29.52
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Group: software.amazon.awssdk  Name: profiles  Version: 2.29.52
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Group: software.amazon.awssdk  Name: protocol-core  Version: 2.29.52
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Group: software.amazon.awssdk  Name: regions  Version: 2.29.52
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Group: software.amazon.awssdk  Name: retries  Version: 2.29.52
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Group: software.amazon.awssdk  Name: retries-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: s3  Version: 2.29.52
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Group: software.amazon.awssdk  Name: sdk-core  Version: 2.29.52
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Group: software.amazon.awssdk  Name: sso  Version: 2.29.52
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Group: software.amazon.awssdk  Name: sts  Version: 2.29.52
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Group: software.amazon.awssdk Name: third-party-jackson-core Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.awssdk Name: utils Version: 2.29.52
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: software.amazon.eventstream Name: eventstream Version: 1.0.1
Project URL (from POM): https://github.com/awslabs/aws-eventstream-java
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: io.opentelemetry Name: opentelemetry-api-incubator Version: 1.45.0-alpha
Project URL: https://opentelemetry.io/
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Group: io.opentelemetry Name: opentelemetry-api Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-context Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-sdk Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-sdk-common Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-extension-autoconfigure-spi
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Group: io.opentelemetry Name: opentelemetry-sdk-logs Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-metrics Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-sdk-trace Version: 1.45.0
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Group: com.google.api.grpc  Name: proto-google-cloud-storage-v2  Version: 2.47.0
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Group: com.google.api.grpc  Name: proto-google-common-protos  Version: 2.50.1
Project URL: https://github.com/googleapis/sdk-platform-java
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Group: com.google.api.grpc  Name: proto-google-iam-v1  Version: 1.45.1
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Group: com.google.apis  Name: google-api-services-storage  Version: v1-
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Group: com.google.auto.value  Name: auto-value-annotations  Version: 1.11.0
Project URL: https://github.com/google/auto/tree/master/value
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Group: com.google.code.gson Name: gson Version: 2.11.0
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Group: com.google.errorprone Name: error_prone_annotations Version: 2.36.0
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Group: com.google.guava Name: failureaccess Version: 1.0.2
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Group: com.google.guava Name: guava Version: 33.4.0-jre
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Group: com.google.guava Name: listenablefuture Version: 9999.0-empty-to-avoid-
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Group: com.google.http-client Name: google-http-client-apache-v2 Version:
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Group: com.google.http-client Name: google-http-client-jackson2 Version: 1.45.3
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Group: com.google.j2objc Name: j2objc-annotations Version: 3.0.0
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Group: com.google.oauth-client Name: google-oauth-client Version: 1.37.0
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Group: com.google.protobuf Name: protobuf-java Version: 4.29.0
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Group: com.google.protobuf Name: protobuf-java-util Version: 4.29.0
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Group: com.google.re2j Name: re2j Version: 1.7
Project URL: http://github.com/google/re2j
License: Go License - https://golang.org/LICENSE

Group: commons-codec Name: commons-codec Version: 1.17.1
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Group: io.opencensus  Name: opencensus-api  Version: 0.31.1
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Group: org.threeten  Name: threetenbp  Version: 1.7.0
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| |     * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/
| |     * http://viewvc.jboss.org/cgi-bin/viewvc.cgi/jbosscache/experimental/
jsr166/
| |
| | This product contains a modified version of Robert Harder's Public Domain
| | Base64 Encoder and Decoder, which can be obtained at:
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| |   * HOMEPAGE:
| |     * http://iharder.sourceforge.net/current/java/base64/
| |
| | This product contains a modified portion of 'Webbit', an event based
| | WebSocket and HTTP server, which can be obtained at:
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| |   * LICENSE:
| |     * license/LICENSE.webbit.txt (BSD License)
| |   * HOMEPAGE:
| |     * https://github.com/joewalnes/webbit
| |
| | This product contains a modified portion of 'SLF4J', a simple logging
| | facade for Java, which can be obtained at:
```


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| |   * HOMEPAGE:
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| | This product contains a modified portion of 'Apache Harmony', an open source
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| |   * HOMEPAGE:
| |     * https://archive.apache.org/dist/harmony/
| |
| | This product contains a modified portion of 'jbzip2', a Java bzip2
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| | and decompression library written by Matthew J. Francis. It can be obtained
at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://code.google.com/p/jbzip2/
| |
| | This product contains a modified portion of 'libdivsufsort', a C API library
to construct
| | the suffix array and the Burrows-Wheeler transformed string for any input
string of
| | a constant-size alphabet written by Yuta Mori. It can be obtained at:
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| |   * LICENSE:
| |     * license/LICENSE.libdivsufsort.txt (MIT License)
| |   * HOMEPAGE:
| |     * https://github.com/y-256/libdivsufsort
| |
| | This product contains a modified portion of Nitsan Wakart's 'JCTools', Java
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| |  which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/JCTools/JCTools
| |
| | This product optionally depends on 'JZlib', a re-implementation of zlib in
| | pure Java, which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * http://www.jcraft.com/jzlib/
| |
| | This product optionally depends on 'Compress-LZF', a Java library for
encoding and
| | decoding data in LZF format, written by Tatu Saloranta. It can be obtained
at:
```


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```
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/ning/compress
| |
| | This product optionally depends on 'lz4', a LZ4 Java compression
| | and decompression library written by Adrien Grand. It can be obtained at:
| |
| |   * LICENSE:
| |     * license/LICENSE.lz4.txt (Apache License 2.0)
| |   * HOMEPAGE:
| |     * https://github.com/jpountz/lz4-java
| |
| | This product optionally depends on 'lzma-java', a LZMA Java compression
| | and decompression library, which can be obtained at:
| |
| |   * LICENSE:
| |     * license/LICENSE.lzma-java.txt (Apache License 2.0)
| |   * HOMEPAGE:
| |     * https://github.com/jponge/lzma-java
| |
| | This product optionally depends on 'zstd-jni', a zstd-jni Java compression
| | and decompression library, which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/luben/zstd-jni
| |
| | This product contains a modified portion of 'jfastlz', a Java port of FastLZ
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| | and decompression library written by William Kinney. It can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://code.google.com/p/jfastlz/
| |
| | This product contains a modified portion of and optionally depends on
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| | interchange format, which can be obtained at:
| |
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| |     * https://github.com/google/protobuf
| |
| | This product optionally depends on 'Bouncy Castle Crypto APIs' to generate
| | a temporary self-signed X.509 certificate when the JVM does not provide the
| | equivalent functionality.  It can be obtained at:
| |
| |   * LICENSE:
| |     * license/LICENSE.bouncycastle.txt (MIT License)
| |   * HOMEPAGE:
| |     * https://www.bouncycastle.org/
| |
| | This product optionally depends on 'Snappy', a compression library produced
```


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| | by Google Inc, which can be obtained at:
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| |   * HOMEPAGE:
| |     * https://github.com/google/snappy
| |
| | This product optionally depends on 'JBoss Marshalling', an alternative Java
| | serialization API, which can be obtained at:
| |
| |   * LICENSE:
| |     * license/LICENSE.jboss-marshalling.txt (Apache License 2.0)
| |   * HOMEPAGE:
| |     * https://github.com/jboss-remoting/jboss-marshalling
| |
| | This product optionally depends on 'Caliper', Google's micro-
| | benchmarking framework, which can be obtained at:
| |
| |   * LICENSE:
| |     * license/LICENSE.caliper.txt (Apache License 2.0)
| |   * HOMEPAGE:
| |     * https://github.com/google/caliper
| |
| | This product optionally depends on 'Apache Commons Logging', a logging
| | framework, which can be obtained at:
| |
| |   * LICENSE:
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| |     * https://commons.apache.org/logging/
| |
| | This product optionally depends on 'Apache Log4J', a logging framework, which
| | can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://logging.apache.org/log4j/
| |
| | This product optionally depends on 'Aalto XML', an ultra-high performance
| | non-blocking XML processor, which can be obtained at:
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| |   * LICENSE:
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| |   * HOMEPAGE:
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| |
| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at:
| |
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| |   * HOMEPAGE:
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| |
| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:
| |
```


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| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be
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| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/nghttp2/nghttp2/
| |
| | This product contains a modified portion of 'Apache Commons Lang', a Java
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| | provides utilities for the java.lang API, which can be obtained at:
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| |   * HOMEPAGE:
| |     * https://commons.apache.org/proper/commons-lang/
| |
| |
| | This product contains the Maven wrapper scripts from 'Maven Wrapper', that
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| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/takari/maven-wrapper
| |
| | This product contains the dnsinfo.h header file, that provides a way to
retrieve the system DNS configuration on MacOS.
| | This private header is also used by Apple's open source
| |  mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).
| |
| |  * LICENSE:
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| |   * HOMEPAGE:
| |     * https://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/
dnsinfo.h
| |
| | This product optionally depends on 'Brotli4j', Brotli compression and
| | decompression for Java., which can be obtained at:
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| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/hyperxpro/Brotli4j

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|
| SPDXVersion: SPDX-2.1
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| PackageCopyrightText: <text>
| Arthur De Magalhaes arthurdm@ca.ibm.com
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 ./flink/v1.19/flink-runtime/NOTICE


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| | Java SE, which can be obtained at:
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| |   * HOMEPAGE:
| |     * https://archive.apache.org/dist/harmony/
| |
| | This product contains a modified portion of 'jbzip2', a Java bzip2
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| | and decompression library written by Matthew J. Francis. It can be obtained
at:
| |
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| |   * HOMEPAGE:
| |     * https://code.google.com/p/jbzip2/
| |
| | This product contains a modified portion of 'libdivsufsort', a C API library
to construct
| | the suffix array and the Burrows-Wheeler transformed string for any input
string of
| | a constant-size alphabet written by Yuta Mori. It can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/y-256/libdivsufsort
| |
| | This product contains a modified portion of Nitsan Wakart's 'JCTools', Java
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| |  which can be obtained at:
| |
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| |   * HOMEPAGE:
| |     * https://github.com/JCTools/JCTools
| |
| | This product optionally depends on 'JZlib', a re-implementation of zlib in
| | pure Java, which can be obtained at:
| |
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| |   * HOMEPAGE:
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| |
| | This product optionally depends on 'Compress-LZF', a Java library for
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| | decoding data in LZF format, written by Tatu Saloranta. It can be obtained
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| |   * HOMEPAGE:
| |     * https://github.com/ning/compress
| |
| | This product optionally depends on 'lz4', a LZ4 Java compression
| | and decompression library written by Adrien Grand. It can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/jpountz/lz4-java
| |
| | This product optionally depends on 'lzma-java', a LZMA Java compression
| | and decompression library, which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/jponge/lzma-java
```


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| |
| | This product optionally depends on 'zstd-jni', a zstd-jni Java compression
| | and decompression library, which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/luben/zstd-jni
| |
| | This product contains a modified portion of 'jfastlz', a Java port of FastLZ
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| | and decompression library written by William Kinney. It can be obtained at:
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| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://code.google.com/p/jfastlz/
| |
| | This product contains a modified portion of and optionally depends on
'Protocol Buffers', Google's data
| | interchange format, which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/google/protobuf
| |
| | This product optionally depends on 'Bouncy Castle Crypto APIs' to generate
| | a temporary self-signed X.509 certificate when the JVM does not provide the
| | equivalent functionality.  It can be obtained at:
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| | This product optionally depends on 'Snappy', a compression library produced
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| | This product optionally depends on 'JBoss Marshalling', an alternative Java
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| |   * HOMEPAGE:
| |     * https://github.com/jboss-remoting/jboss-marshalling
| |
| | This product optionally depends on 'Caliper', Google's micro-
| | benchmarking framework, which can be obtained at:
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| |     * https://github.com/google/caliper
| |
| | This product optionally depends on 'Apache Commons Logging', a logging
| | framework, which can be obtained at:
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| |     * https://commons.apache.org/logging/
| |
| | This product optionally depends on 'Apache Log4J', a logging framework, which
| | can be obtained at:
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| |   * HOMEPAGE:
| |     * https://logging.apache.org/log4j/
| |
| | This product optionally depends on 'Aalto XML', an ultra-high performance
| | non-blocking XML processor, which can be obtained at:
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| |
| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/twitter/hpack
| |
| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:
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| |   * HOMEPAGE:
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| |
| | This product contains a modified version of 'HPACK', a Java implementation of
| | the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be
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| |   * LICENSE:
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| |   * HOMEPAGE:
| |     * https://github.com/nghttp2/nghttp2/
| |
| | This product contains a modified portion of 'Apache Commons Lang', a Java
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| | provides utilities for the java.lang API, which can be obtained at:
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```
| |     * https://commons.apache.org/proper/commons-lang/
| |
| |
| | This product contains the Maven wrapper scripts from 'Maven Wrapper', that
provides an easy way to ensure a user has everything necessary to run the Maven
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| |
| |   * LICENSE:
| |     * license/LICENSE.mvn-wrapper.txt (Apache License 2.0)
| |   * HOMEPAGE:
| |     * https://github.com/takari/maven-wrapper
| |
| | This product contains the dnsinfo.h header file, that provides a way to
retrieve the system DNS configuration on MacOS.
| | This private header is also used by Apple's open source
| |  mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).
| |
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| |   * HOMEPAGE:
| |     * https://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/
dnsinfo.h
| |
| | This product optionally depends on 'Brotli4j', Brotli compression and
| | decompression for Java., which can be obtained at:
| |
| |   * LICENSE:
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| |   * HOMEPAGE:
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|     * https://github.com/jponge/lzma-java
|
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|     * https://github.com/luben/zstd-jni
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| and decompression library written by William Kinney. It can be obtained at:
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|     * https://code.google.com/p/jfastlz/
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|     * https://github.com/jboss-remoting/jboss-marshalling
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|     * https://github.com/twitter/hpack
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|   * HOMEPAGE:
|     * https://github.com/takari/maven-wrapper
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| This private header is also used by Apple's open source
|  mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).
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|     * https://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/
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|     * https://github.com/hyperxpro/Brotli4j

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NOTICE for Group: com.fasterxml.jackson.core Name: jackson-core Version: 2.17.2
NOTICE for Group: com.fasterxml.jackson.core Name: jackson-databind Version:
2.17.2

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|
| Jackson is a high-performance, Free/Open Source JSON processing library.
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| been in development since 2007.
| It is currently developed by a community of developers.
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NOTICE for Group: io.netty Name: netty-codec Version: 4.1.115.Final
NOTICE for Group: io.netty Name: netty-codec-dns Version: 4.1.115.Final
NOTICE for Group: io.netty Name: netty-codec-http Version: 4.1.115.Final
NOTICE for Group: io.netty Name: netty-codec-http2 Version: 4.1.115.Final
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NOTICE for Group: io.netty Name: netty-resolver-dns-classes-macos Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-resolver-dns-native-macos Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-tcnative-boringssl-static Version:
2.0.69.Final
NOTICE for Group: io.netty Name: netty-tcnative-classes Version: 2.0.69.Final
NOTICE for Group: io.netty Name: netty-transport Version: 4.1.115.Final
NOTICE for Group: io.netty Name: netty-transport-classes-epoll Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-transport-classes-kqueue Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-transport-native-epoll Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-transport-native-kqueue Version:
4.1.115.Final
NOTICE for Group: io.netty Name: netty-transport-native-unix-common Version:
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| a constant-size alphabet written by Yuta Mori. It can be obtained at:
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|   * HOMEPAGE:
|     * https://github.com/ning/compress
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.
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# FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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colinrgodsey    | Colin Godsey, crgodsey@gmail.com, MediaMath Inc.
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rstoyanchev     | Rossen Stoyanchev, rstoyanchev@pivotal.io, Pivotal
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JakeWharton     | Jake Wharton, jakewharton@gmail.com
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    * https://code.google.com/p/jbzip2/
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a constant-size alphabet written by Yuta Mori. It can be obtained at:
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    * https://github.com/JCTools/JCTools
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  * HOMEPAGE:
    * http://www.jcraft.com/jzlib/
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    * https://github.com/ning/compress
This product optionally depends on 'lz4', a LZ4 Java compression
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    * https://github.com/jpountz/lz4-java
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    * https://github.com/jponge/lzma-java
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    * https://github.com/luben/zstd-jni
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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
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  * HOMEPAGE:
    * http://www.jcraft.com/jzlib/

This product optionally depends on 'Compress-LZF', a Java library for encoding
and
decoding data in LZF format, written by Tatu Saloranta. It can be obtained at:

  * LICENSE:
    * license/LICENSE.compress-lzf.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/ning/compress

This product optionally depends on 'lz4', a LZ4 Java compression
and decompression library written by Adrien Grand. It can be obtained at:

  * LICENSE:
    * license/LICENSE.lz4.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/jpountz/lz4-java

This product optionally depends on 'lzma-java', a LZMA Java compression
and decompression library, which can be obtained at:

  * LICENSE:
    * license/LICENSE.lzma-java.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/jponge/lzma-java

This product optionally depends on 'zstd-jni', a zstd-jni Java compression
and decompression library, which can be obtained at:

  * LICENSE:
    * license/LICENSE.zstd-jni.txt (BSD)
  * HOMEPAGE:
    * https://github.com/luben/zstd-jni

This product contains a modified portion of 'jfastlz', a Java port of FastLZ
compression
and decompression library written by William Kinney. It can be obtained at:

  * LICENSE:
    * license/LICENSE.jfastlz.txt (MIT License)
  * HOMEPAGE:
    * https://code.google.com/p/jfastlz/

This product contains a modified portion of and optionally depends on 'Protocol
Buffers', Google's data
interchange format, which can be obtained at:

  * LICENSE:
    * license/LICENSE.protobuf.txt (New BSD License)
  * HOMEPAGE:
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    * https://github.com/google/protobuf

This product optionally depends on 'Bouncy Castle Crypto APIs' to generate
a temporary self-signed X.509 certificate when the JVM does not provide the
equivalent functionality.  It can be obtained at:

  * LICENSE:
    * license/LICENSE.bouncycastle.txt (MIT License)
  * HOMEPAGE:
    * https://www.bouncycastle.org/

This product optionally depends on 'Snappy', a compression library produced
by Google Inc, which can be obtained at:

  * LICENSE:
    * license/LICENSE.snappy.txt (New BSD License)
  * HOMEPAGE:
    * https://github.com/google/snappy

This product optionally depends on 'JBoss Marshalling', an alternative Java
serialization API, which can be obtained at:

  * LICENSE:
    * license/LICENSE.jboss-marshalling.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/jboss-remoting/jboss-marshalling

This product optionally depends on 'Caliper', Google's micro-
benchmarking framework, which can be obtained at:

  * LICENSE:
    * license/LICENSE.caliper.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/google/caliper

This product optionally depends on 'Apache Commons Logging', a logging
framework, which can be obtained at:

  * LICENSE:
    * license/LICENSE.commons-logging.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://commons.apache.org/logging/

This product optionally depends on 'Apache Log4J', a logging framework, which
can be obtained at:

  * LICENSE:
    * license/LICENSE.log4j.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://logging.apache.org/log4j/

This product optionally depends on 'Aalto XML', an ultra-high performance
non-blocking XML processor, which can be obtained at:

  * LICENSE:
    * license/LICENSE.aalto-xml.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://wiki.fasterxml.com/AaltoHome
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This product contains a modified version of 'HPACK', a Java implementation of
the HTTP/2 HPACK algorithm written by Twitter. It can be obtained at:

  * LICENSE:
    * license/LICENSE.hpack.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/twitter/hpack

This product contains a modified version of 'HPACK', a Java implementation of
the HTTP/2 HPACK algorithm written by Cory Benfield. It can be obtained at:

  * LICENSE:
    * license/LICENSE.hyper-hpack.txt (MIT License)
  * HOMEPAGE:
    * https://github.com/python-hyper/hpack/

This product contains a modified version of 'HPACK', a Java implementation of
the HTTP/2 HPACK algorithm written by Tatsuhiro Tsujikawa. It can be obtained at:

  * LICENSE:
    * license/LICENSE.nghttp2-hpack.txt (MIT License)
  * HOMEPAGE:
    * https://github.com/nghttp2/nghttp2/

This product contains a modified portion of 'Apache Commons Lang', a Java library
provides utilities for the java.lang API, which can be obtained at:

  * LICENSE:
    * license/LICENSE.commons-lang.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://commons.apache.org/proper/commons-lang/

This product contains the Maven wrapper scripts from 'Maven Wrapper', that
provides an easy way to ensure a user has everything necessary to run the Maven
build.

  * LICENSE:
    * license/LICENSE.mvn-wrapper.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/takari/maven-wrapper

This product contains the dnsinfo.h header file, that provides a way to retrieve
the system DNS configuration on MacOS.
This private header is also used by Apple's open source
 mDNSResponder (https://opensource.apple.com/tarballs/mDNSResponder/).

 * LICENSE:
    * license/LICENSE.dnsinfo.txt (Apple Public Source License 2.0)
  * HOMEPAGE:
    * https://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/
dnsinfo.h

This product optionally depends on 'Brotli4j', Brotli compression and
decompression for Java., which can be obtained at:

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    * license/LICENSE.brotli4j.txt (Apache License 2.0)
  * HOMEPAGE:
    * https://github.com/hyperxpro/Brotli4j


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```
 catboost has dependencies on following libraries:

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        "graphviz" doesn't have any dependencies
    catboost needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
            "numpy" has bundled license that are included below
        "matplotlib" needs "packaging"
            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    catboost needs "numpy"
        "numpy" has bundled license that are included below
    catboost needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    catboost needs "plotly"
        "plotly" needs "packaging"
            "packaging" doesn't have any dependencies
        "plotly" needs "tenacity"
            "tenacity" doesn't have any dependencies
    catboost needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled license that are included below
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    catboost needs "six"
        "six" doesn't have any dependencies
```

```
package_name: graphviz
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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The ziggurat methods were derived from Julia.

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Julian Seward, jseward@acm.org
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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Name: L-BFGS-B
Files: scipy/optimize/lbfgsb/*
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```


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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal <nocedal@ece.nwu.edu>. It
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

This code uses F2PY (http://cens.ioc.ee/projects/f2py2e/) to generate
the wrapper around the Fortran code.

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

License for the Python wrapper
==============================
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  Functions for testing global optimizers, forked from the AMPGO project,
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---------- Separator ----------
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 ./src/main/resources/META-INF/jackson-core-NOTICE
# Jackson JSON processor
```


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```
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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Conytibutors :

Mike Taylor https://bear.im
Darshana Chhajed <darshana@osafoundation.org>
Michael Lim <lim.ck.michael@gmail.com>
Bernd Zeimetz <bzed@debian.org>
Geoffrey Floyd https://github.com/geoffreyfloyd
Alexis Sasha Acker https://github.com/sashaacker

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```
Yu-Jie Lin          https://github.com/livibetter
rl-0x0              https://github.com/rl-0x0
Bernardo Sulzbach   https://github.com/mafagafogigante
Philip Tzou         https://github.com/philiptzou
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pycparser -- A C parser in Python

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typing-extensions
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
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All Python releases are Open Source (see http://www.opensource.org for
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    Release   Derived   Year   Owner   GPL-
                    from   compatible? (1)

    0.9.0 thru 1.2   1991-1995   CWI   yes
    1.3 thru 1.5.2 1.2   1995-1999   CNRI   yes
    1.6   1.5.2   2000   CNRI   no
    2.0   1.6   2000   BeOpen.com no
    1.6.1   1.6   2001   CNRI   yes (2)
    2.1   2.0+1.6.1   2001   PSF   no
    2.0.1   2.0+1.6.1   2001   PSF   yes
    2.1.1   2.1+2.0.1   2001   PSF   yes
    2.1.2   2.1.1   2002   PSF   yes

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2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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certifi
==========
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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David Fahlander

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```

```
dill 0.3.8 doesn't have any dependencies
```

DropWizard-core

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(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.)

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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Java ClassMate library was originally written by Tatu Saloranta
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-api
  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util

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Other developers who have contributed code are:

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# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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```
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<html><head>


<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
</head><body lang="EN-US" link="blue" vlink="purple">
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dropwizard-jetty

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel



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File: orm-busy.trace.xz
Description: Database object access of a e-commerce web application during a
busy daytime.

File: orm-night.trace.xz
Description: Database object access of a e-ommerce web application during the
night time.

File: web07.trace.xz
Description: Normalized access trace (HTTP requests) a product detail page in
July 2013.

File: web12.trace.xz
Description: Normalized access trace (HTTP requests) on a product detail page in
December 2013.

Format: The accessed objects comprise of a mixture of product inventory,
availability per price and
also customer data. Objects are keyed by type, id and a index (e.g. the 3rd
price of a product). All
data is normalized into numbers starting at 0 (or 1 for sub-ids) and then
collapsed into a single
integer consisting of,
 - Bits 27-31: type
 - Bits 9-26: id
 - Bits 0-9: index

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------
Eclipse

The following artifacts are EPL.
 * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
 * org.eclipse.jetty.orbit:javax.security.auth.message




------


------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.
```


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```
 * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes.  The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html


------
OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm


------
Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl


------
MortBay

The following artifacts are ASL2 licensed.  Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
  org.apache.tomcat:tomcat-jasper
  org.apache.tomcat:tomcat-juli
  org.apache.tomcat:tomcat-jsp-api
  org.apache.tomcat:tomcat-el-api
  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-api
  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-el-api




------
Assorted

The UnixCrypt.java code implements the one way cryptography used by
Unix systems for simple password protection.  Copyright 1996 Aki Yoshida,
modified April 2001  by Iris Van den Broeke, Daniel Deville.
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 ./jetty-distribution-remote-resources/src/main/resources/notice.html

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN">
<html><head>


<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
</head><body lang="EN-US" link="blue" vlink="purple">
<h2>Eclipse Foundation Software User Agreement</h2>
<p>March 17, 2005</p>

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(Java&amp;#8482; ARchive) in a directory named "plugins".</li>
    <li>A
Feature is a bundle of one or more Plug-ins and/or Fragments and
associated material. Each Feature may be packaged as a sub-directory in
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a directory named "features". Within a Feature, files named
"feature.xml" may contain a list of the names and version numbers of
the Plug-ins and/or Fragments associated with that Feature.</li>
    <li>Features
may also include other Features ("Included Features"). Within a
Feature, files named "feature.xml" may contain a list of the names and
version numbers of Included Features.</li>
</ul>

<p>The terms and conditions governing Plug-ins and Fragments should be
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conditions governing Features and
Included Features should be contained in files named "license.html"
("Feature Licenses"). Abouts and Feature Licenses may be located in any
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including, but not limited to the following locations:</p>

<ul>
    <li>The top-level (root) directory</li>
    <li>Plug-in and Fragment directories</li>
    <li>Inside Plug-ins and Fragments packaged as JARs</li>
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</ul>

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</body></html>


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Apache 2.0 ( same as com.fasterxml.jackson.core:jackson-annotations)

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```


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dropwizard-util

Code Hale, Inc., Yammer Inc. and the Dropwizard Team

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archiver-utils

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archiver-utils/readable-stream

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archiver-utils/safe-buffer

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archiver-utils/string_decoder

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async

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balanced-match

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base64-js

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big-integer

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bluebird

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brace-expansion

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buffer

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buffer-crc32

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buffer-indexof-polyfill

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concat-map

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core-util-is

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duplexer2

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duplexer2/readable-stream

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duplexer2/safe-buffer

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end-of-stream

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exceljs

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fast-csv

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fs-constants

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fs.realpath

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fstream/rimraf

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graceful-fs

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jszip

/*!

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minimatch

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path-is-absolute

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readdir-glob

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readdir-glob/brace-expansion

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readdir-glob/minimatch

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rimraf

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safe-buffer

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saxes

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setimmediate

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string_decoder

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tar-stream

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traverse

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unzipper

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unzipper/readable-stream

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unzipper/string_decoder

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util-deprecate

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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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Other developers who have contributed code are:

* Eric Bie contributed extensive unit test suite which has helped ensure high
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* https://github.com/eclipse-ee4j/mail

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Other developers who have contributed code are:

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

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
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 - javaee_5.xsd
 - javaee_web_services_1_2.xsd
 - javaee_web_services_client_1_2.xsd
 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
 - web-common_4_0.xsd
 - web-fragment_4_0.xsd

may be obtained from:
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  gluonts needs "pandas"
      "pandas" needs "numpy"
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      "pandas" needs "python-dateutil"
          "python-dateutil" needs "six"
              "six" doesn't have any dependencies
      "pandas" needs "pytz"
          "pytz" doesn't have any dependencies
      "pandas" needs "tzdata"
          "tzdata" doesn't have any dependencies
  gluonts needs "pydantic"
      "pydantic" needs "annotated-types"
          "annotated-types" doesn't have any dependencies
      "pydantic" needs "pydantic_core"
          "pydantic_core" needs "typing_extensions"
              "typing_extensions" doesn't have any dependencies
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          "typing_extensions" doesn't have any dependencies
  gluonts needs "toolz"
      "toolz" doesn't have any dependencies
```


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```
    gluonts needs "tqdm"
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        "typing_extensions" doesn't have any dependencies
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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dateutil - Extensions to the standard Python datetime module.

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Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley
Anthony G. Basile
Aric Belsito
Arvid Picciani
Bartosz Brachaczek
```


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Boris Brezillon
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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)

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in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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animal-sniffer-annotations/src/main/java/org/codehaus/mojo/animal_sniffer/
IgnoreJRERequirement.java

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 ./NOTICE.txt
(Notice same as ./NOTICE.txt of io.grpc:grpc-api)
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 ./xds/third_party/protoc-gen-validate/NOTICE
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groovy-jsr223

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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
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Andrew Colleteh

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/nvd3-1.8.5.* (css and js
files)
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
datanode/checker/AbstractFuture.java
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
datanode/checker/TimeoutFuture.java


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hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/io/
compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c}
hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/
tree.h
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|
unlinkat}.h


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hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/util/bloom/*
hadoop-common-project/hadoop-common/src/main/native/gtest/gtest-all.cc
hadoop-common-project/hadoop-common/src/main/native/gtest/include/gtest/gtest.h
```


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hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/util/bulk_crc32_x86.c
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/d3.v3.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/d3-3.5.17.min.js

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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-1.6.4.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-nvd3-1.0.9.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-route-1.6.4.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/bootstrap-3.4.1
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dataTables.bootstrap.css
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dataTables.bootstrap.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-full-2.0.0.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/dust-helpers-1.1.1.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/jquery-3.6.0.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/jquery.dataTables.min.js
hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/moment.min.js
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/bootstrap.min.js
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/jquery.js
hadoop-tools/hadoop-sls/src/main/html/css/bootstrap.min.css
hadoop-tools/hadoop-sls/src/main/html/css/bootstrap-responsive.min.css
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/dt-1.11.5/*
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/jquery
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/resources/webapps/static/jt/jquery.jstree.js
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/resources/TERMINAL

=======
For hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/native/container-executor/impl/utils/cJSON.[ch]:

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 */
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--------------------------------(separator)--------------------------------
== Dependencies Summary
 -> org.apache.httpcomponents:httpcore
 -> commons-logging:commons-logging
 -> com.microsoft.azure:azure-storage
 -> org.apache.hadoop.thirdparty:hadoop-shaded-guava
 -> org.wildfly.openssl:wildfly-openssl
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 -> org.eclipse.jetty:jetty-util
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datanode/checker/AbstractFuture.java
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
datanode/checker/TimeoutFuture.java

ch.qos.reload4j:reload4j
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com.aliyun:aliyun-java-sdk-sts
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com.fasterxml.jackson.core:jackson-databind
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com.fasterxml.woodstox:woodstox-core
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javax.inject:javax.inject
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org.apache.zookeeper:zookeeper
org.codehaus.jettison:jettison

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org.eclipse.jetty.websocket:javax-websocket-client-impl
org.eclipse.jetty.websocket:javax-websocket-server-impl
org.ehcache:ehcache
org.ini4j:ini4j
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org.objenesis:objenesis
org.xerial.snappy:snappy-java
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org.wildfly.openssl:wildfly-openssl
software.amazon.awssdk:bundle:jar
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hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/io/
compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c}
hadoop-hdfs-project/hadoop-hdfs-native-client/src/main/native/fuse-dfs/util/
tree.h
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/native/container-executor/impl/compat/{fstatat|openat|
unlinkat}.h

dnsjava:dnsjava
org.codehaus.woodstox:stax2-api
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hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/util/bloom/*
hadoop-common-project/hadoop-common/src/main/native/gtest/gtest-all.cc
hadoop-common-project/hadoop-common/src/main/native/gtest/include/gtest/gtest.h
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bulk_crc32_x86.c
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leveldb v1.13

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com.google.re2j:re2j
com.jcraft:jsch
com.thoughtworks.paranamer:paranamer
jakarta.activation:jakarta.activation-api
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org.jline:jline
org.hamcrest:hamcrest-core
org.ow2.asm:asm
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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-1.6.4.min.js
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hadoop-hdfs-project/hadoop-hdfs/src/main/webapps/static/angular-

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route-1.6.4.min.js
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hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/resources/TERMINAL

bootstrap v3.3.6
broccoli-asset-rev v2.4.2
broccoli-funnel v1.0.1
datatables v1.11.5
em-helpers v0.5.13
em-table v0.1.6
ember v2.2.0
ember-array-contains-helper v1.0.2
ember-bootstrap v0.5.1
ember-cli v1.13.13
ember-cli-app-version v1.0.0
ember-cli-babel v5.1.6
ember-cli-content-security-policy v0.4.0
ember-cli-dependency-checker v1.2.0
ember-cli-htmlbars v1.0.2
ember-cli-htmlbars-inline-precompile v0.3.1
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ember-cli-inject-live-reload v1.4.0
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ember-cli-qunit v1.2.1
ember-cli-release v0.2.8
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ember-cli-uglify v1.2.0
ember-d3 v0.1.0
ember-data v2.1.0
ember-disable-proxy-controllers v1.0.1
ember-export-application-global v1.0.5
ember-load-initializers v0.1.7
ember-qunit v0.4.16
ember-qunit-notifications v0.1.0
ember-resolver v2.0.3
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ember-truth-helpers v1.2.0
jquery v2.1.4
jquery-ui v1.11.4
loader.js v3.3.0
momentjs v2.10.6
qunit v1.19.0
select2 v4.0.0
snippet-ss v1.11.0

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spin.js v2.3.2

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com.microsoft.azure:azure-data-lake-store-sdk
com.microsoft.azure:azure-keyvault-core
com.microsoft.sqlserver:mssql-jdbc:6.2.1.jre7
org.checkerframework:checker-qual
org.codehaus.mojo:animal-sniffer-annotations
org.jruby.jcodings:jcodings
org.jruby.joni:joni
org.ojalgo:ojalgo
org.slf4j:jul-to-slf4j
org.slf4j:slf4j-api
org.slf4j:slf4j-reload4j
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com.github.pjfanning:jersey-json
com.sun.xml.bind:jaxb-impl
javax.annotation:javax.annotation-api
javax.cache:cache-api
javax.servlet:javax.servlet-api
javax.servlet.jsp:jsp-api
javax.websocket:javax.websocket-api
javax.ws.rs:jsr311-api
javax.xml.bind:jaxb-api
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org.jacoco:org.jacoco.agent
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org.hsqldb:hsqldb
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hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/io/
compress/lz4/{lz4.h,lz4.c,lz4hc.h,lz4hc.c}
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tree.h
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hadoop-common-project/hadoop-common/src/main/native/gtest/include/gtest/gtest.h
hadoop-common-project/hadoop-common/src/main/native/src/org/apache/hadoop/util/
bulk_crc32_x86.c
hadoop-tools/hadoop-sls/src/main/html/js/thirdparty/d3.v3.js
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route-1.6.4.min.js
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hadoop-tools/hadoop-sls/src/main/html/css/bootstrap-responsive.min.css
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/resources/TERMINAL

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For hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
nodemanager/src/main/native/container-executor/impl/utils/cJSON.[ch]
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  org.apache.tomcat:tomcat-util-scan
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files)
hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/server/
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commons-codec:commons-codec
commons-collections:commons-collections
commons-daemon:commons-daemon
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unlinkat}.h

com.github.luben:zstd-jni
dnsjava:dnsjava
org.codehaus.woodstox:stax2-api
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com.google.re2j:re2j
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nodemanager/src/main/resources/TERMINAL

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ember-bootstrap v0.5.1
ember-cli v1.13.13
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ember-cli-dependency-checker v1.2.0
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jquery-ui v1.11.4
loader.js v3.3.0
momentjs v2.10.6
qunit v1.19.0
select2 v4.0.0
snippet-ss v1.11.0
spin.js v2.3.2

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com.microsoft.azure:azure-cosmosdb-direct
com.microsoft.azure:azure-cosmosdb-gateway
com.microsoft.azure:azure-data-lake-store-sdk
com.microsoft.azure:azure-keyvault-core
com.microsoft.sqlserver:mssql-jdbc:6.2.1.jre7
org.checkerframework:checker-qual
org.codehaus.mojo:animal-sniffer-annotations
org.jruby.jcodings:jcodings
org.jruby.joni:joni
org.ojalgo:ojalgo
org.slf4j:jul-to-slf4j
org.slf4j:slf4j-api
org.slf4j:slf4j-reload4j
CDDL 1.1 + GPLv2 with classpath exception
-----------------------------------------

com.github.pjfanning:jersey-json
com.sun.xml.bind:jaxb-impl
javax.annotation:javax.annotation-api
javax.cache:cache-api
javax.servlet:javax.servlet-api
javax.servlet.jsp:jsp-api
javax.websocket:javax.websocket-api
javax.ws.rs:jsr311-api
javax.xml.bind:jaxb-api
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org.jacoco:org.jacoco.agent
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third_party/rapidxml-1.13/rapidxml/license.txt

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 * org.apache.tomcat:tomcat-util-scan
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        Brian Wellington (@bwelling), March 12, 2004

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The initial code for shuffling an array (originally in class
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inspired from the algorithm description provided in
"Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).
The textbook (containing a proof that the shuffle is uniformly random) is
available here:
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-- css-line-break

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-- base64-arraybuffer

-- text-segmentation

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base64-arraybuffer

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Group: org.reactivestreams  Name: reactive-streams  Version: 1.0.4
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--------------------------------------------------------------------------------
Group: com.google.protobuf  Name: protobuf-java  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
License (from POM): BSD-3-Clause - https://opensource.org/licenses/BSD-3-Clause
--------------------------------------------------------------------------------
Group: com.google.protobuf  Name: protobuf-java-util  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
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--------------------------------------------------------------------------------
Group: com.google.re2j  Name: re2j  Version: 1.7
Project URL (from POM): http://github.com/google/re2j
```


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--------------------------------------------------------------------------------
Group: com.jcraft  Name: jsch  Version: 0.1.55
Project URL (from POM): http://www.jcraft.com/jsch/
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--------------------------------------------------------------------------------
Group: com.jolbox  Name: bonecp  Version: 0.8.0.RELEASE
Project URL (from manifest): http://jolbox.com
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--------------------------------------------------------------------------------
Group: com.microsoft.azure  Name: msal4j  Version: 1.17.2
Project URL (from manifest): https://github.com/AzureAD/microsoft-authentication-
library-for-java
Manifest License: "MIT License" (Not packaged)
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License
--------------------------------------------------------------------------------
Group: com.microsoft.azure  Name: msal4j-persistence-extension  Version: 1.3.0
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License
--------------------------------------------------------------------------------
Group: com.nimbusds  Name: content-type  Version: 2.3
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-content-type
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--------------------------------------------------------------------------------
Group: com.nimbusds  Name: lang-tag  Version: 1.7
Project URL (from manifest): https://connect2id.com/
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-language-tags
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--------------------------------------------------------------------------------
Group: com.nimbusds  Name: nimbus-jose-jwt  Version: 9.40
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-jose-jwt
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--------------------------------------------------------------------------------
Group: com.nimbusds  Name: oauth2-oidc-sdk  Version: 11.18
Project URL (from manifest): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
Manifest License: "Apache License, version 2.0";link="https://www.apache.org/
licenses/LICENSE-2.0.html" (Not packaged)
Project URL (from POM): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
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--------------------------------------------------------------------------------
Group: commons-beanutils  Name: commons-beanutils  Version: 1.9.4
Project URL (from manifest): https://commons.apache.org/proper/commons-beanutils/
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--------------------------------------------------------------------------------
Group: commons-cli  Name: commons-cli  Version: 1.5.0
```


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Project URL (from manifest): http://commons.apache.org/cli/
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--------------------------------------------------------------------------------
Group: commons-codec  Name: commons-codec  Version: 1.17.1
Project URL (from manifest): https://commons.apache.org/proper/commons-codec/
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--------------------------------------------------------------------------------
Group: commons-collections  Name: commons-collections  Version: 3.2.2
Project URL (from manifest): http://commons.apache.org/collections/
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Group: commons-dbcp  Name: commons-dbcp  Version: 1.4
Project URL (from manifest): http://commons.apache.org/dbcp/
Project URL (from POM): http://commons.apache.org/dbcp/
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Group: commons-io  Name: commons-io  Version: 2.16.1
Project URL (from manifest): https://commons.apache.org/proper/commons-io/
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License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: commons-lang  Name: commons-lang  Version: 2.6
Project URL (from manifest): http://commons.apache.org/lang/
Project URL (from POM): http://commons.apache.org/lang/
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Group: commons-logging  Name: commons-logging  Version: 1.3.0
Project URL (from manifest): http://commons.apache.org/proper/commons-logging/
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License (from POM): The Apache Software License, Version 2.0 - http://
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Group: commons-net  Name: commons-net  Version: 3.9.0
Project URL (from manifest): https://commons.apache.org/proper/commons-net/
Project URL (from POM): https://commons.apache.org/proper/commons-net/
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licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: commons-pool  Name: commons-pool  Version: 1.6
Project URL (from manifest): http://commons.apache.org/pool/
Project URL (from POM): http://commons.apache.org/pool/
License (from POM): The Apache Software License, Version 2.0 - http://
www.apache.org/licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: dev.failsafe  Name: failsafe  Version: 3.3.2
Project URL (from POM): https://github.com/failsafe-lib/failsafe
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
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--------------------------------------------------------------------------------
Group: dnsjava  Name: dnsjava  Version: 3.6.1
Project URL (from POM): http://www.dnsjava.org
```


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Group: io.airlift  Name: aircompressor  Version: 2.0.2
Project URL (from POM): https://github.com/airlift/aircompressor
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LICENSE-2.0.html
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Group: io.dropwizard.metrics  Name: metrics-core  Version: 3.2.4
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Group: io.dropwizard.metrics  Name: metrics-json  Version: 3.1.0
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Group: io.dropwizard.metrics  Name: metrics-jvm  Version: 3.1.0
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--------------------------------------------------------------------------------
Group: io.grpc  Name: grpc-alts  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
License (from POM): Apache 2.0 - https://opensource.org/licenses/Apache-2.0
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Group: io.grpc  Name: grpc-api  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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--------------------------------------------------------------------------------
Group: io.grpc  Name: grpc-auth  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-context  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-core  Version: 1.69.0
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Group: io.grpc  Name: grpc-googleapis  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-grpclb  Version: 1.69.0
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Group: io.grpc  Name: grpc-inprocess  Version: 1.69.0
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Group: io.grpc  Name: grpc-netty-shaded  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-protobuf  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
```


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Group: io.grpc  Name: grpc-protobuf-lite  Version: 1.69.0
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Group: io.grpc  Name: grpc-rls  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-services  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-stub  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-util  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-xds  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.netty  Name: netty-buffer  Version: 4.1.115.Final
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licenses/LICENSE-2.0
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Group: io.netty  Name: netty-codec  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-dns  Version: 4.1.112.Final
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Group: io.netty  Name: netty-codec-haproxy  Version: 4.1.100.Final
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Group: io.netty  Name: netty-codec-http  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-http2  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-memcache  Version: 4.1.100.Final
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Group: io.netty  Name: netty-codec-mqtt  Version: 4.1.100.Final
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Group: io.netty  Name: netty-codec-redis  Version: 4.1.100.Final
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Group: io.netty  Name: netty-codec-smtp  Version: 4.1.100.Final
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Group: io.netty  Name: netty-codec-socks  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-stomp  Version: 4.1.100.Final
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--------------------------------------------------------------------------------
Group: io.netty  Name: netty-codec-xml  Version: 4.1.100.Final
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Group: io.netty  Name: netty-common  Version: 4.1.115.Final
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Group: io.netty  Name: netty-handler  Version: 4.1.115.Final
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Group: io.netty  Name: netty-handler-proxy  Version: 4.1.115.Final
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Group: io.netty  Name: netty-handler-ssl-ocsp  Version: 4.1.100.Final
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Group: io.netty  Name: netty-resolver  Version: 4.1.115.Final
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Group: io.netty Name: netty-resolver-dns Version: 4.1.112.Final
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Group: io.netty Name: netty-resolver-dns-classes-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-resolver-dns-native-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-tcnative-boringssl-static Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
Project URL (from POM): https://github.com/netty/netty-tcnative/netty-tcnative-
boringssl-static/
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Group: io.netty Name: netty-tcnative-classes Version: 2.0.69.Final
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Group: io.netty Name: netty-transport Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-classes-epoll Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-classes-kqueue Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-native-epoll Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-native-kqueue Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-native-unix-common Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-rxtx Version: 4.1.100.Final

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Group: io.netty  Name: netty-transport-sctp  Version: 4.1.100.Final
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Group: io.netty  Name: netty-transport-udt  Version: 4.1.100.Final
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--------------------------------------------------------------------------------
Group: io.opencensus  Name: opencensus-api  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
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licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: io.opencensus  Name: opencensus-contrib-http-util  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
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Group: io.perfmark  Name: perfmark-api  Version: 0.27.0
Project URL (from POM): https://github.com/perfmark/perfmark
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--------------------------------------------------------------------------------
Group: io.projectreactor  Name: reactor-core  Version: 3.4.41
Project URL (from POM): https://github.com/reactor/reactor-core
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--------------------------------------------------------------------------------
Group: io.projectreactor.netty  Name: reactor-netty-core  Version: 1.0.48
Project URL (from POM): https://github.com/reactor/reactor-netty
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Group: io.projectreactor.netty  Name: reactor-netty-http  Version: 1.0.48
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Group: jakarta.activation  Name: jakarta.activation-api  Version: 1.2.2
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documents/epl-2.0/EPL-2.0.txt
License (from POM): GNU General Public License, version 2 with the GNU Classpath
Exception - https://www.gnu.org/software/classpath/license.html
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Group: javax.inject  Name: javax.inject  Version: 1
Project URL (from POM): http://code.google.com/p/atinject/
License (from POM): The Apache Software License, Version 2.0 - http://
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Group: javax.jdo  Name: jdo-api  Version: 3.0.1
Project URL (from POM): http://db.apache.org/jdo
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Group: javax.transaction  Name: jta  Version: 1.1
Project URL (from POM): http://java.sun.com/products/jta
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Group: javolution  Name: javolution  Version: 5.5.1
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Group: jline  Name: jline  Version: 2.12
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license.php
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Group: joda-time  Name: joda-time  Version: 2.8.1
Project URL (from manifest): http://www.joda.org/joda-time/
Manifest License: Apache 2.0 (Not packaged)
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License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt
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Group: net.java.dev.jna  Name: jna  Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
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Group: net.java.dev.jna  Name: jna-platform  Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
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Group: net.minidev  Name: accessors-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
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Group: net.minidev  Name: json-smart  Version: 2.5.1
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Group: net.sf.opencsv  Name: opencsv  Version: 2.3
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Group: org.antlr  Name: antlr-runtime  Version: 3.5.2
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Group: org.apache.ant  Name: ant  Version: 1.9.1
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Group: org.apache.ant  Name: ant-launcher  Version: 1.9.1
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Group: org.apache.hadoop.thirdparty  Name: hadoop-shaded-protobuf_3_25  Version:
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Group: org.slf4j  Name: slf4j-api  Version: 2.0.16
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Group: org.slf4j  Name: slf4j-reload4j  Version: 1.7.36
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Group: org.threeten  Name: threeten-extra  Version: 1.7.1
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Group: org.xerial.snappy  Name: snappy-java  Version: 1.1.10.7
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Group: software.amazon.awssdk  Name: arns  Version: 2.29.52
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Group: software.amazon.awssdk  Name: auth  Version: 2.29.52
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Group: software.amazon.awssdk  Name: aws-core  Version: 2.29.52
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Group: software.amazon.awssdk  Name: aws-xml-protocol  Version: 2.29.52
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Group: software.amazon.awssdk  Name: dynamodb  Version: 2.29.52
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Group: software.amazon.awssdk  Name: endpoints-spi  Version: 2.29.52
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Group: software.amazon.awssdk Name: http-auth Version: 2.29.52
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Group: software.amazon.awssdk Name: http-auth-aws Version: 2.29.52
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Group: software.amazon.awssdk Name: http-auth-aws-crt Version: 2.29.52
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Group: software.amazon.awssdk Name: http-auth-aws-eventstream Version: 2.29.52
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Group: software.amazon.awssdk Name: identity-spi Version: 2.29.52
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Group: software.amazon.awssdk Name: json-utils Version: 2.29.52
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Group: software.amazon.awssdk Name: kms Version: 2.29.52
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Group: software.amazon.awssdk Name: lakeformation Version: 2.29.52
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Group: software.amazon.awssdk  Name: sso  Version: 2.29.52
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Group: software.amazon.awssdk  Name: sts  Version: 2.29.52
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Group: software.amazon.awssdk  Name: third-party-jackson-core  Version: 2.29.52
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Group: io.opentelemetry Name: opentelemetry-api-incubator Version: 1.45.0-alpha
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Group: io.opentelemetry Name: opentelemetry-api Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-common Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-extension-autoconfigure-spi
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Group: io.opentelemetry Name: opentelemetry-sdk-logs Version: 1.45.0
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Group: com.azure  Name: azure-storage-blob  Version: 12.29.0
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Group: com.azure  Name: azure-storage-common  Version: 12.28.0
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Group: com.fasterxml.jackson.core  Name: jackson-annotations  Version: 2.18.2
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Group: com.fasterxml.jackson.datatype  Name: jackson-datatype-jsr310  Version:
2.18.2
Project URL (from manifest): https://github.com/FasterXML/jackson-modules-java8/
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Group: com.fasterxml.woodstox  Name: woodstox-core  Version: 6.7.0
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Group: com.github.ben-manes.caffeine  Name: caffeine  Version: 2.9.3
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Group: com.google.api-client  Name: google-api-client  Version: 2.7.1
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Group: com.google.api.grpc  Name: grpc-google-cloud-storage-v2  Version: 2.47.0
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--------------------------------------------------------------------------------
Group: com.google.api.grpc  Name: proto-google-cloud-storage-v2  Version: 2.47.0
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--------------------------------------------------------------------------------
Group: com.google.api.grpc  Name: proto-google-common-protos  Version: 2.50.1
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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Group: com.google.api.grpc  Name: proto-google-iam-v1  Version: 1.45.1
Project URL (from POM): https://github.com/googleapis/sdk-platform-java
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: com.google.apis  Name: google-api-services-storage  Version: v1-
rev20241206-2.0.0
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Group: com.google.auth  Name: google-auth-library-credentials  Version: 1.30.1
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Group: com.google.auth  Name: google-auth-library-oauth2-http  Version: 1.30.1
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Group: com.google.auto.value  Name: auto-value-annotations  Version: 1.11.0
Project URL (from POM): https://github.com/google/auto/tree/main/value
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--------------------------------------------------------------------------------
Group: com.google.cloud  Name: google-cloud-core  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-core-grpc  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-core-http  Version: 2.49.1
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Group: com.google.cloud  Name: google-cloud-storage  Version: 2.47.0
Project URL (from POM): https://github.com/googleapis/java-storage
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Group: com.google.code.findbugs  Name: jsr305  Version: 3.0.2
Project URL (from POM): http://findbugs.sourceforge.net/
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www.apache.org/licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: com.google.code.gson  Name: gson  Version: 2.11.0
Project URL (from manifest): https://github.com/google/gson
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Group: com.google.errorprone  Name: error_prone_annotations  Version: 2.36.0
Project URL (from manifest): https://errorprone.info/error_prone_annotations
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Group: com.google.guava  Name: failureaccess  Version: 1.0.2
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--------------------------------------------------------------------------------
Group: com.google.guava  Name: guava  Version: 33.4.0-jre
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Project URL (from POM): https://github.com/google/guava
License (from POM): Apache License, Version 2.0 - http://www.apache.org/licenses/
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--------------------------------------------------------------------------------
Group: com.google.guava  Name: listenablefuture  Version: 9999.0-empty-to-avoid-
conflict-with-guava
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Group: com.google.http-client  Name: google-http-client  Version: 1.45.3
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Group: com.google.http-client  Name: google-http-client-apache-v2  Version:
1.45.3
Project URL (from manifest): https://www.google.com/
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Group: com.google.http-client  Name: google-http-client-appengine  Version:
1.45.3
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Group: com.google.http-client  Name: google-http-client-gson  Version: 1.45.3
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Group: com.google.http-client  Name: google-http-client-jackson2  Version: 1.45.3
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Group: com.google.j2objc  Name: j2objc-annotations  Version: 3.0.0
Project URL (from POM): https://github.com/google/j2objc/
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--------------------------------------------------------------------------------
Group: com.google.protobuf  Name: protobuf-java  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
License (from POM): BSD-3-Clause - https://opensource.org/licenses/BSD-3-Clause
--------------------------------------------------------------------------------
Group: com.google.protobuf  Name: protobuf-java-util  Version: 4.29.0
Project URL (from manifest): https://developers.google.com/protocol-buffers/
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Group: com.google.re2j  Name: re2j  Version: 1.7
Project URL (from POM): http://github.com/google/re2j
License (from POM): Go License - https://golang.org/LICENSE
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Group: com.jcraft  Name: jsch  Version: 0.1.55
Project URL (from POM): http://www.jcraft.com/jsch/
License (from POM): Revised BSD - http://www.jcraft.com/jsch/LICENSE.txt
--------------------------------------------------------------------------------
Group: com.microsoft.azure  Name: msal4j  Version: 1.17.2
Project URL (from manifest): https://github.com/AzureAD/microsoft-authentication-
library-for-java
Manifest License: "MIT License" (Not packaged)
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License
--------------------------------------------------------------------------------
Group: com.microsoft.azure  Name: msal4j-persistence-extension  Version: 1.3.0
Project URL (from POM): https://github.com/AzureAD/microsoft-authentication-
library-for-java
License (from POM): MIT License
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Group: com.nimbusds  Name: content-type  Version: 2.3
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-content-type
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Group: com.nimbusds  Name: lang-tag  Version: 1.7
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Group: com.nimbusds  Name: nimbus-jose-jwt  Version: 9.40
Project URL (from manifest): https://connect2id.com
Project URL (from POM): https://bitbucket.org/connect2id/nimbus-jose-jwt
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--------------------------------------------------------------------------------
Group: com.nimbusds  Name: oauth2-oidc-sdk  Version: 11.18
Project URL (from manifest): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
openid-connect-extensions
Manifest License: "Apache License, version 2.0";link="https://www.apache.org/
licenses/LICENSE-2.0.html" (Not packaged)
Project URL (from POM): https://bitbucket.org/connect2id/oauth-2.0-sdk-with-
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Group: commons-beanutils  Name: commons-beanutils  Version: 1.9.4
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Group: commons-cli  Name: commons-cli  Version: 1.5.0
Project URL (from manifest): http://commons.apache.org/cli/
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Group: commons-codec  Name: commons-codec  Version: 1.17.1
Project URL (from manifest): https://commons.apache.org/proper/commons-codec/
Project URL (from POM): https://commons.apache.org/proper/commons-codec/
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
--------------------------------------------------------------------------------
Group: commons-collections  Name: commons-collections  Version: 3.2.2
Project URL (from manifest): http://commons.apache.org/collections/
Project URL (from POM): http://commons.apache.org/collections/
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Group: commons-io  Name: commons-io  Version: 2.16.1
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License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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Group: org.apache.commons  Name: commons-lang3  Version: 3.16.0
Project URL (from manifest): http://commons.apache.org/lang/
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Group: commons-logging  Name: commons-logging  Version: 1.2
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Group: commons-net  Name: commons-net  Version: 3.9.0
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Group: commons-pool  Name: commons-pool  Version: 1.6
Project URL (from manifest): http://commons.apache.org/pool/
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--------------------------------------------------------------------------------
Group: dev.failsafe  Name: failsafe  Version: 3.3.2
Project URL (from POM): https://github.com/failsafe-lib/failsafe
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Group: dnsjava  Name: dnsjava  Version: 3.6.1
Project URL (from POM): http://www.dnsjava.org
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Clause
--------------------------------------------------------------------------------
Group: io.airlift  Name: aircompressor  Version: 2.0.2
Project URL (from POM): https://github.com/airlift/aircompressor
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Group: io.dropwizard.metrics  Name: metrics-core  Version: 3.2.4
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--------------------------------------------------------------------------------
Group: io.grpc  Name: grpc-alts  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-api  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-auth  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-context  Version: 1.69.0
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Group: io.grpc  Name: grpc-core  Version: 1.69.0
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Group: io.grpc  Name: grpc-googleapis  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-grpclb  Version: 1.69.0
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Group: io.grpc  Name: grpc-inprocess  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-netty-shaded  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-protobuf  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-protobuf-lite  Version: 1.69.0
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Group: io.grpc  Name: grpc-rls  Version: 1.69.0
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Group: io.grpc  Name: grpc-services  Version: 1.69.0
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Group: io.grpc  Name: grpc-stub  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-util  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.grpc  Name: grpc-xds  Version: 1.69.0
Project URL (from POM): https://github.com/grpc/grpc-java
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Group: io.netty  Name: netty-buffer  Version: 4.1.115.Final
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licenses/LICENSE-2.0
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Group: io.netty  Name: netty-codec  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-dns  Version: 4.1.112.Final
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Group: io.netty  Name: netty-codec-http  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-http2  Version: 4.1.115.Final
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Group: io.netty  Name: netty-codec-socks  Version: 4.1.115.Final
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Group: io.netty  Name: netty-common  Version: 4.1.115.Final
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Group: io.netty Name: netty-handler Version: 4.1.115.Final
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Group: io.netty Name: netty-resolver Version: 4.1.115.Final
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Group: io.netty Name: netty-resolver-dns-classes-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-resolver-dns-native-macos Version: 4.1.112.Final
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Group: io.netty Name: netty-tcnative-boringssl-static Version: 2.0.69.Final
Project URL (from manifest): https://netty.io/
Project URL (from POM): https://github.com/netty/netty-tcnative/netty-tcnative-
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Group: io.netty Name: netty-tcnative-classes Version: 2.0.69.Final
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Group: io.netty Name: netty-transport Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-classes-kqueue Version: 4.1.115.Final
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Group: io.netty Name: netty-transport-native-epoll Version: 4.1.115.Final

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Group: io.netty  Name: netty-transport-native-kqueue  Version: 4.1.115.Final
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Group: io.netty  Name: netty-transport-native-unix-common  Version: 4.1.115.Final
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Group: io.opencensus  Name: opencensus-api  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
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Group: io.opencensus  Name: opencensus-contrib-http-util  Version: 0.31.1
Project URL (from POM): https://github.com/census-instrumentation/opencensus-java
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Group: io.perfmark  Name: perfmark-api  Version: 0.27.0
Project URL (from POM): https://github.com/perfmark/perfmark
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Group: io.projectreactor  Name: reactor-core  Version: 3.4.41
Project URL (from POM): https://github.com/reactor/reactor-core
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Group: io.projectreactor.netty  Name: reactor-netty-core  Version: 1.0.48
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Group: io.projectreactor.netty  Name: reactor-netty-http  Version: 1.0.48
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Group: jakarta.activation  Name: jakarta.activation-api  Version: 1.2.1
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--------------------------------------------------------------------------------
Group: net.java.dev.jna  Name: jna  Version: 5.13.0
Project URL (from POM): https://github.com/java-native-access/jna
License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
License (from POM): LGPL-2.1-or-later - https://www.gnu.org/licenses/old-
licenses/lgpl-2.1
--------------------------------------------------------------------------------
Group: net.java.dev.jna  Name: jna-platform  Version: 5.13.0
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--------------------------------------------------------------------------------
Group: net.minidev  Name: accessors-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
Project URL (from POM): https://urielch.github.io/
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www.apache.org/licenses/LICENSE-2.0.txt
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Group: net.minidev  Name: json-smart  Version: 2.5.1
Project URL (from manifest): https://urielch.github.io/
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Group: org.apache.avro  Name: avro  Version: 1.12.0
Project URL (from manifest): https://www.apache.org/
Project URL (from POM): https://avro.apache.org
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Group: org.apache.commons  Name: commons-compress  Version: 1.27.1
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License (from POM): Apache-2.0 - https://www.apache.org/licenses/LICENSE-2.0.txt
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Group: org.apache.commons  Name: commons-math3  Version: 3.6.1
Project URL (from manifest): http://commons.apache.org/math/
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Group: org.apache.commons  Name: commons-text  Version: 1.10.0
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Group: org.apache.hadoop  Name: hadoop-annotations  Version: 3.4.1
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Group: org.apache.hadoop  Name: hadoop-common  Version: 3.4.1
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--------------------------------------------------------------------------------
Group: org.apache.hadoop.thirdparty  Name: hadoop-shaded-guava  Version: 1.3.0
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
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--------------------------------------------------------------------------------
Group: org.apache.hadoop.thirdparty  Name: hadoop-shaded-protobuf_3_25  Version:
1.3.0
License (from POM): Apache License, Version 2.0 - https://www.apache.org/
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Group: org.apache.httpcomponents  Name: httpclient  Version: 4.5.13
Project URL (from POM): http://hc.apache.org/httpcomponents-client
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Group: org.apache.httpcomponents Name: httpcore Version: 4.4.16
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Group: org.apache.httpcomponents.client5 Name: httpclient5 Version: 5.4.1
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Group: org.apache.httpcomponents.core5 Name: httpcore5 Version: 5.3.1
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Group: org.apache.httpcomponents.core5 Name: httpcore5-h2 Version: 5.3.1
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Group: org.apache.orc Name: orc-core Version: 1.9.5
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Group: org.apache.orc Name: orc-shims Version: 1.9.5
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Group: org.apache.parquet Name: parquet-avro Version: 1.15.0
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Group: org.apache.parquet Name: parquet-column Version: 1.15.0
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Group: org.apache.parquet Name: parquet-common Version: 1.15.0
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Group: org.apache.parquet Name: parquet-encoding Version: 1.15.0
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Group: org.apache.parquet Name: parquet-format-structures Version: 1.15.0
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Group: org.apache.parquet  Name: parquet-jackson  Version: 1.15.0
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Group: org.checkerframework  Name: checker-qual  Version: 3.48.3
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Group: org.codehaus.jettison  Name: jettison  Version: 1.5.4
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Group: org.codehaus.woodstox  Name: stax2-api  Version: 4.2.2
Project URL (from manifest): http://github.com/FasterXML/stax2-api
Project URL (from POM): http://github.com/FasterXML/stax2-api
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Group: org.conscrypt  Name: conscrypt-openjdk-uber  Version: 2.5.2
Project URL (from POM): https://conscrypt.org/
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Group: org.jetbrains  Name: annotations  Version: 17.0.0
Project URL (from POM): https://github.com/JetBrains/java-annotations
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Group: org.ow2.asm  Name: asm  Version: 9.6
Project URL (from manifest): http://asm.ow2.org
Manifest License: BSD-3-Clause;link=https://asm.ow2.io/LICENSE.txt (Not packaged)
Project URL (from POM): http://asm.ow2.io/
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Group: org.reactivestreams  Name: reactive-streams  Version: 1.0.4
Project URL (from manifest): http://reactive-streams.org
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License (from POM): MIT-0 - https://spdx.org/licenses/MIT-0.html
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Group: org.roaringbitmap  Name: RoaringBitmap  Version: 1.3.0
Project URL (from POM): https://github.com/RoaringBitmap/RoaringBitmap
License (from POM): Apache 2 - http://www.apache.org/licenses/LICENSE-2.0.txt
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Group: org.slf4j  Name: slf4j-api  Version: 2.0.16
Project URL (from manifest): http://www.slf4j.org
Project URL (from POM): http://www.slf4j.org
License (from POM): MIT License - http://www.opensource.org/licenses/mit-
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Group: org.threeten  Name: threeten-extra  Version: 1.7.1
Project URL (from manifest): https://www.threeten.org
Project URL (from POM): https://www.threeten.org/threeten-extra
License (from POM): BSD 3-clause - https://raw.githubusercontent.com/ThreeTen/
threeten-extra/master/LICENSE.txt
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Group: org.threeten  Name: threetenbp  Version: 1.7.0
Project URL (from manifest): https://www.threeten.org
Project URL (from POM): https://www.threeten.org/threetenbp
License (from POM): BSD-3-Clause - https://raw.githubusercontent.com/ThreeTen/
threetenbp/main/LICENSE.txt
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Group: org.xerial.snappy  Name: snappy-java  Version: 1.1.10.7
Project URL (from manifest): http://www.xerial.org/
Project URL (from POM): https://github.com/xerial/snappy-java
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Group: software.amazon.awssdk  Name: apache-client  Version: 2.29.52
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Group: software.amazon.awssdk  Name: arns  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: auth  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: aws-core  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: aws-json-protocol  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: aws-query-protocol  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: aws-xml-protocol  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: checksums  Version: 2.29.52
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Group: software.amazon.awssdk  Name: checksums-spi  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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--------------------------------------------------------------------------------
Group: software.amazon.awssdk  Name: crt-core  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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apache2.0
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Group: software.amazon.awssdk  Name: dynamodb  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: endpoints-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: glue  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: http-auth  Version: 2.29.52
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Group: software.amazon.awssdk  Name: http-auth-aws  Version: 2.29.52
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Group: software.amazon.awssdk  Name: http-auth-aws-crt  Version: 2.29.52
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Group: software.amazon.awssdk  Name: http-auth-aws-eventstream  Version: 2.29.52
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Group: software.amazon.awssdk  Name: http-client-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: iam  Version: 2.29.52
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Group: software.amazon.awssdk  Name: identity-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: json-utils  Version: 2.29.52
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Group: software.amazon.awssdk  Name: kms  Version: 2.29.52
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Group: software.amazon.awssdk  Name: lakeformation  Version: 2.29.52
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Group: software.amazon.awssdk  Name: metrics-spi  Version: 2.29.52
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Group: software.amazon.awssdk  Name: netty-nio-client  Version: 2.29.52
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Group: software.amazon.awssdk  Name: profiles  Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk  Name: protocol-core  Version: 2.29.52
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Group: software.amazon.awssdk  Name: regions  Version: 2.29.52
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Group: software.amazon.awssdk Name: retries Version: 2.29.52
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Group: software.amazon.awssdk Name: retries-spi Version: 2.29.52
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Group: software.amazon.awssdk Name: s3 Version: 2.29.52
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Group: software.amazon.awssdk Name: sdk-core Version: 2.29.52
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Group: software.amazon.awssdk Name: sso Version: 2.29.52
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Group: software.amazon.awssdk Name: sts Version: 2.29.52
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Group: software.amazon.awssdk Name: third-party-jackson-core Version: 2.29.52
Project URL (from POM): https://aws.amazon.com/sdkforjava
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Group: software.amazon.awssdk Name: utils Version: 2.29.52
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Group: software.amazon.eventstream Name: eventstream Version: 1.0.1
Project URL (from POM): https://github.com/awslabs/aws-eventstream-java
License (from POM): Apache License, Version 2.0 - https://aws.amazon.com/
apache2.0

Group: io.opentelemetry Name: opentelemetry-api-incubator Version: 1.45.0-alpha
Project URL: https://opentelemetry.io/
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Group: io.opentelemetry Name: opentelemetry-api Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-context Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-common Version: 1.45.0
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Group: io.opentelemetry Name: opentelemetry-sdk-extension-autoconfigure-spi
Version: 1.45.0
Project URL (from POM): https://github.com/open-telemetry/opentelemetry-java
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Group: io.opentelemetry Name: opentelemetry-sdk-logs Version: 1.45.0
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NOTICE for Group: software.amazon.awssdk  Name: arns  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: auth  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: aws-core  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: aws-json-protocol  Version:
2.29.52
NOTICE for Group: software.amazon.awssdk  Name: aws-query-protocol  Version:
2.29.52
NOTICE for Group: software.amazon.awssdk  Name: aws-xml-protocol  Version:
2.29.52
NOTICE for Group: software.amazon.awssdk  Name: checksums  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: checksums-spi  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: crt-core  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: dynamodb  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: endpoints-spi  Version: 2.29.52
NOTICE for Group: software.amazon.awssdk  Name: glue  Version: 2.29.52
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NOTICE for Group: software.amazon.awssdk Name: http-auth-aws Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: http-auth-aws-crt Version:
2.29.52
NOTICE for Group: software.amazon.awssdk Name: http-auth-aws-eventstream
Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: http-auth-spi Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: http-client-spi Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: iam Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: identity-spi Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: json-utils Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: kms Version: 2.29.52
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NOTICE for Group: software.amazon.awssdk Name: metrics-spi Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: netty-nio-client Version:
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NOTICE for Group: software.amazon.awssdk Name: profiles Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: protocol-core Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: regions Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: retries Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: retries-spi Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: s3 Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: sdk-core Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: sso Version: 2.29.52
NOTICE for Group: software.amazon.awssdk Name: sts Version: 2.29.52
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NOTICE for Group: software.amazon.awssdk Name: third-party-jackson-core
Version: 2.29.52
Jackson JSON processor
Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.
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NOTICE for Group: io.netty  Name: netty-codec                           Version:
4.1.115.Final
NOTICE for Group: io.netty  Name: netty-codec-http                      Version:
4.1.115.Final
NOTICE for Group: io.netty  Name: netty-codec-http2                     Version:
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4.1.115.Final
NOTICE for Group: io.netty  Name: netty-transport-classes-epoll         Version:
4.1.115.Final
NOTICE for Group: io.netty  Name: netty-transport-native-unix-common    Version:
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|
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| It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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NOTICE for Group: io.netty  Name: netty-codec-dns  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-codec-http  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-codec-http2  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-codec-socks  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-common  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-handler  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-handler-proxy  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-resolver  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-resolver-dns  Version: 4.1.115.Final
NOTICE for Group: io.netty  Name: netty-resolver-dns-classes-macos  Version:
4.1.115.Final
NOTICE for Group: io.netty  Name: netty-resolver-dns-native-macos  Version:
4.1.115.Final
NOTICE for Group: io.netty  Name: netty-tcnative-boringssl-static  Version:
2.0.69.Final
NOTICE for Group: io.netty  Name: netty-tcnative-classes  Version: 2.0.69.Final
NOTICE for Group: io.netty  Name: netty-transport  Version: 4.1.115.Final
```


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4.1.115.Final
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4.1.115.Final
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4.1.115.Final
NOTICE for Group: io.netty  Name: netty-transport-native-kqueue  Version:
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|
| This product contains a modified portion of 'libdivsufsort', a C API library
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string of
| a constant-size alphabet written by Yuta Mori. It can be obtained at:
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| | and decompression library written by Matthew J. Francis. It can be obtained
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| | the suffix array and the Burrows-Wheeler transformed string for any input
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| | a constant-size alphabet written by Yuta Mori. It can be obtained at:
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| |     * https://github.com/ning/compress
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| | and decompression library written by Adrien Grand. It can be obtained at:
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| |     * https://github.com/jponge/lzma-java
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| | This product optionally depends on 'zstd-jni', a zstd-jni Java compression
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| |     * https://github.com/google/protobuf
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| | This product contains a modified version of 'HPACK', a Java implementation of
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NOTICE for Group: io.grpc  Name: grpc-alts  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-api  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-auth  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-context  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-core  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-googleapis  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-grpclb  Version: 1.69.0
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NOTICE for Group: io.grpc  Name: grpc-protobuf-lite  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-rls  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-services  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-stub  Version: 1.69.0
NOTICE for Group: io.grpc  Name: grpc-xds  Version: 1.69.0
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|     * https://github.com/square/okhttp
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This project provides parsers for double, float, BigDecimal and BigInteger values.

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https://github.com/tbuktu/bigint/blob/617c8cd8a7c5e4fb4d919c6a4d11e2586107f029/

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(Notice same as org.apache.iceberg:iceberg-core)
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(Notice same as org.apache.iceberg:iceberg-core)
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 ./kafka-connect/kafka-connect-runtime/hive/NOTICE
(Notice same as org.apache.iceberg:iceberg-core)
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 ./kafka-connect/kafka-connect-runtime/main/NOTICE
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 ./spark/v3.4/spark-runtime/NOTICE
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 ./src/main/resources/META-INF/jackson-core-NOTICE

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers.

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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jackson-datatype-hibernate6

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
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* https://github.com/eclipse-ee4j/jaxrs-api

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Jakarta Restful Web Services JAX-RS API

Eclipse Foundation

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* https://github.com/eclipse-ee4j/jaxrs-api

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* https://github.com/jakartaee/mail-api

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Unlike other similar bytecode editors, Javassist provides two levels of API:
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Source Code

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* https://github.com/eclipse-ee4j/jaxrs-api

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4P Compile Dependencies (1):   javax.activation-api 1.2.0

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jersey-apache-connector

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jakarta.ws.rs:jakarta.ws.rs-api

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Java ClassMate library was originally written by Tatu Saloranta
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jersey-media-json-jackson

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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* Project home: https://projects.eclipse.org/projects/ee4j.jaxrs

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* https://github.com/eclipse-ee4j/jaxrs-api

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javaee-api (7.0)

* License: Apache-2.0 AND W3C

JUnit (4.11)

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Mockito (2.16.0)

* Project: http://site.mockito.org
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(Notice same as jakarta.ws.rs:jakarta.ws.rs-api)

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./src/main/resources/META-INF/NOTICE.markdown

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## Source Code
The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jersey
```

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 * org.eclipse.jetty.orbit:org.eclipse.jdt.core

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 * org.eclipse.jetty.orbit:javax.security.auth.message

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 * org.eclipse.jetty.orbit:javax.mail.glassfish

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 * org.ow2.asm:asm-commons
 * org.ow2.asm:asm

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 * org.apache.taglibs:taglibs-standard-spec
 * org.apache.taglibs:taglibs-standard-impl

The following dependencies are ASL2 licensed.  Based on selected classes from
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 * org.mortbay.jasper:apache-jsp
 * org.apache.tomcat:tomcat-jasper
 * org.apache.tomcat:tomcat-juli
 * org.apache.tomcat:tomcat-jsp-api
 * org.apache.tomcat:tomcat-el-api
 * org.apache.tomcat:tomcat-jasper-el
 * org.apache.tomcat:tomcat-api
 * org.apache.tomcat:tomcat-util-scan
 * org.apache.tomcat:tomcat-util
 * org.mortbay.jasper:apache-el
 * org.apache.tomcat:tomcat-jasper-el
 * org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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 * org.eclipse.jetty.toolchain:jetty-schemas

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     * org.apache.tomcat:tomcat-util
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     * org.apache.tomcat:tomcat-jasper-el
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Armin Ronacher

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accessors-smart

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ASM

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    -------------------------
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    #02 org.lz4:lz4-java:jar
    #03 org.xerial.snappy:snappy-java:jar
    #04 org.slf4j:slf4j-api:jar
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            * Providing benchmark suite
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
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```

langchain-community

LangChain, Inc.

```
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package_name: langchain-community
license_type: MIT
```


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```
license_text:
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```

```
 langchain-community 0.3.20 has dependencies on following libraries:

    langchain-community needs "aiohttp"
        "aiohttp" needs "aiohappyeyeballs"
            "aiohappyeyeballs" doesn't have any dependencies
        "aiohttp" needs "aiosignal"
            "aiosignal" needs "frozenlist"
                "frozenlist" doesn't have any dependencies
        "aiohttp" needs "attrs"
            "attrs" doesn't have any dependencies
        "aiohttp" needs "frozenlist"
            "frozenlist" doesn't have any dependencies
        "aiohttp" needs "multidict"
            "multidict" doesn't have any dependencies
        "aiohttp" needs "propcache"
            "propcache" doesn't have any dependencies
        "aiohttp" needs "yarl"
            "yarl" needs "idna"
                "idna" doesn't have any dependencies
            "yarl" needs "multidict"
                "multidict" doesn't have any dependencies
            "yarl" needs "propcache"
                "propcache" doesn't have any dependencies
    langchain-community needs "dataclasses-json"
        "dataclasses-json" needs "marshmallow"
            "marshmallow" needs "packaging"
                "packaging" doesn't have any dependencies
        "dataclasses-json" needs "typing-inspect"
            "typing-inspect" needs "mypy-extensions"
                "mypy-extensions" doesn't have any dependencies
            "typing-inspect" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
    langchain-community needs "httpx-sse"
        "httpx-sse" doesn't have any dependencies
```


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```
langchain-community needs "langchain"
    "langchain" needs "langchain-core"
        "langchain-core" needs "jsonpatch"
            "jsonpatch" needs "jsonpointer"
                "jsonpointer" doesn't have any dependencies
        "langchain-core" needs "langsmith"
            "langsmith" needs "httpx"
                "httpx" needs "anyio"
                    "anyio" needs "idna"
                        "idna" doesn't have any dependencies
                    "anyio" needs "sniffio"
                        "sniffio" doesn't have any dependencies
                    "anyio" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "httpx" needs "certifi"
                    "certifi" doesn't have any dependencies
                "httpx" needs "httpcore"
                    "httpcore" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "httpcore" needs "h11"
                        "h11" doesn't have any dependencies
                "httpx" needs "idna"
                    "idna" doesn't have any dependencies
            "langsmith" needs "orjson"
                "orjson" doesn't have any dependencies
            "langsmith" needs "packaging"
                "packaging" doesn't have any dependencies
            "langsmith" needs "pydantic"
                "pydantic" needs "annotated-types"
                    "annotated-types" doesn't have any dependencies
                "pydantic" needs "pydantic_core"
                    "pydantic_core" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "pydantic" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "langsmith" needs "requests"
                "requests" needs "certifi"
                    "certifi" doesn't have any dependencies
                "requests" needs "charset-normalizer"
                    "charset-normalizer" doesn't have any dependencies
                "requests" needs "idna"
                    "idna" doesn't have any dependencies
                "requests" needs "urllib3"
                    "urllib3" doesn't have any dependencies
            "langsmith" needs "requests-toolbelt"
                "requests-toolbelt" needs "requests"
                    "requests" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
            "langsmith" needs "zstandard"
                "zstandard" doesn't have any dependencies
        "langchain-core" needs "packaging"
            "packaging" doesn't have any dependencies
```


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```
    "langchain-core" needs "pydantic"
        "pydantic" needs "annotated-types"
            "annotated-types" doesn't have any dependencies
        "pydantic" needs "pydantic_core"
            "pydantic_core" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "pydantic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "langchain-core" needs "PyYAML"
        "PyYAML" doesn't have any dependencies
    "langchain-core" needs "tenacity"
        "tenacity" doesn't have any dependencies
    "langchain-core" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
"langchain" needs "langchain-text-splitters"
    "langchain-text-splitters" needs "langchain-core"
        "langchain-core" needs "jsonpatch"
            "jsonpatch" needs "jsonpointer"
                "jsonpointer" doesn't have any dependencies
        "langchain-core" needs "langsmith"
            "langsmith" needs "httpx"
                "httpx" needs "anyio"
                    "anyio" needs "idna"
                        "idna" doesn't have any dependencies
                    "anyio" needs "sniffio"
                        "sniffio" doesn't have any dependencies
                    "anyio" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "httpx" needs "certifi"
                    "certifi" doesn't have any dependencies
                "httpx" needs "httpcore"
                    "httpcore" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "httpcore" needs "h11"
                        "h11" doesn't have any dependencies
                "httpx" needs "idna"
                    "idna" doesn't have any dependencies
            "langsmith" needs "orjson"
                "orjson" doesn't have any dependencies
            "langsmith" needs "packaging"
                "packaging" doesn't have any dependencies
            "langsmith" needs "pydantic"
                "pydantic" needs "annotated-types"
                    "annotated-types" doesn't have any dependencies
                "pydantic" needs "pydantic_core"
                    "pydantic_core" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "pydantic" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "langsmith" needs "requests"
                "requests" needs "certifi"
                    "certifi" doesn't have any dependencies
                "requests" needs "charset-normalizer"
                    "charset-normalizer" doesn't have any dependencies
                "requests" needs "idna"
                    "idna" doesn't have any dependencies
                "requests" needs "urllib3"
                    "urllib3" doesn't have any dependencies
```


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```
                        "langsmith" needs "requests-toolbelt"
                            "requests-toolbelt" needs "requests"
                                "requests" needs "certifi"
                                    "certifi" doesn't have any dependencies
                                "requests" needs "charset-normalizer"
                                    "charset-normalizer" doesn't have any
dependencies
                                "requests" needs "idna"
                                    "idna" doesn't have any dependencies
                                "requests" needs "urllib3"
                                    "urllib3" doesn't have any dependencies
                        "langsmith" needs "zstandard"
                            "zstandard" doesn't have any dependencies
                    "langchain-core" needs "packaging"
                        "packaging" doesn't have any dependencies
                    "langchain-core" needs "pydantic"
                        "pydantic" needs "annotated-types"
                            "annotated-types" doesn't have any dependencies
                        "pydantic" needs "pydantic_core"
                            "pydantic_core" needs "typing_extensions"
                                "typing_extensions" doesn't have any dependencies
                        "pydantic" needs "typing_extensions"
                            "typing_extensions" doesn't have any dependencies
                    "langchain-core" needs "PyYAML"
                        "PyYAML" doesn't have any dependencies
                    "langchain-core" needs "tenacity"
                        "tenacity" doesn't have any dependencies
                    "langchain-core" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "langchain" needs "langsmith"
                    "langsmith" needs "httpx"
                        "httpx" needs "anyio"
                            "anyio" needs "idna"
                                "idna" doesn't have any dependencies
                            "anyio" needs "sniffio"
                                "sniffio" doesn't have any dependencies
                            "anyio" needs "typing_extensions"
                                "typing_extensions" doesn't have any dependencies
                        "httpx" needs "certifi"
                            "certifi" doesn't have any dependencies
                        "httpx" needs "httpcore"
                            "httpcore" needs "certifi"
                                "certifi" doesn't have any dependencies
                            "httpcore" needs "h11"
                                "h11" doesn't have any dependencies
                        "httpx" needs "idna"
                            "idna" doesn't have any dependencies
                    "langsmith" needs "orjson"
                        "orjson" doesn't have any dependencies
                    "langsmith" needs "packaging"
                        "packaging" doesn't have any dependencies
                    "langsmith" needs "pydantic"
                        "pydantic" needs "annotated-types"
                            "annotated-types" doesn't have any dependencies
                        "pydantic" needs "pydantic_core"
                            "pydantic_core" needs "typing_extensions"
                                "typing_extensions" doesn't have any dependencies
                        "pydantic" needs "typing_extensions"
```


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```
                    "typing_extensions" doesn't have any dependencies
                "langsmith" needs "requests"
                    "requests" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
                "langsmith" needs "requests-toolbelt"
                    "requests-toolbelt" needs "requests"
                        "requests" needs "certifi"
                            "certifi" doesn't have any dependencies
                        "requests" needs "charset-normalizer"
                            "charset-normalizer" doesn't have any dependencies
                        "requests" needs "idna"
                            "idna" doesn't have any dependencies
                        "requests" needs "urllib3"
                            "urllib3" doesn't have any dependencies
                "langsmith" needs "zstandard"
                    "zstandard" doesn't have any dependencies
            "langchain" needs "pydantic"
                "pydantic" needs "annotated-types"
                    "annotated-types" doesn't have any dependencies
                "pydantic" needs "pydantic_core"
                    "pydantic_core" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "pydantic" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "langchain" needs "PyYAML"
                "PyYAML" doesn't have any dependencies
            "langchain" needs "requests"
                "requests" needs "certifi"
                    "certifi" doesn't have any dependencies
                "requests" needs "charset-normalizer"
                    "charset-normalizer" doesn't have any dependencies
                "requests" needs "idna"
                    "idna" doesn't have any dependencies
                "requests" needs "urllib3"
                    "urllib3" doesn't have any dependencies
            "langchain" needs "SQLAlchemy"
                "SQLAlchemy" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
        langchain-community needs "langchain-core"
            "langchain-core" needs "jsonpatch"
                "jsonpatch" needs "jsonpointer"
                    "jsonpointer" doesn't have any dependencies
            "langchain-core" needs "langsmith"
                "langsmith" needs "httpx"
                    "httpx" needs "anyio"
                        "anyio" needs "idna"
                            "idna" doesn't have any dependencies
                        "anyio" needs "sniffio"
                            "sniffio" doesn't have any dependencies
                        "anyio" needs "typing_extensions"
                            "typing_extensions" doesn't have any dependencies
                    "httpx" needs "certifi"
```


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```
                    "certifi" doesn't have any dependencies
                "httpx" needs "httpcore"
                    "httpcore" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "httpcore" needs "h11"
                        "h11" doesn't have any dependencies
                "httpx" needs "idna"
                    "idna" doesn't have any dependencies
            "langsmith" needs "orjson"
                "orjson" doesn't have any dependencies
            "langsmith" needs "packaging"
                "packaging" doesn't have any dependencies
            "langsmith" needs "pydantic"
                "pydantic" needs "annotated-types"
                    "annotated-types" doesn't have any dependencies
                "pydantic" needs "pydantic_core"
                    "pydantic_core" needs "typing_extensions"
                        "typing_extensions" doesn't have any dependencies
                "pydantic" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "langsmith" needs "requests"
                "requests" needs "certifi"
                    "certifi" doesn't have any dependencies
                "requests" needs "charset-normalizer"
                    "charset-normalizer" doesn't have any dependencies
                "requests" needs "idna"
                    "idna" doesn't have any dependencies
                "requests" needs "urllib3"
                    "urllib3" doesn't have any dependencies
            "langsmith" needs "requests-toolbelt"
                "requests-toolbelt" needs "requests"
                    "requests" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
            "langsmith" needs "zstandard"
                "zstandard" doesn't have any dependencies
        "langchain-core" needs "packaging"
            "packaging" doesn't have any dependencies
        "langchain-core" needs "pydantic"
            "pydantic" needs "annotated-types"
                "annotated-types" doesn't have any dependencies
            "pydantic" needs "pydantic_core"
                "pydantic_core" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "pydantic" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "langchain-core" needs "PyYAML"
            "PyYAML" doesn't have any dependencies
        "langchain-core" needs "tenacity"
            "tenacity" doesn't have any dependencies
        "langchain-core" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    langchain-community needs "langsmith"
```


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```
    "langsmith" needs "httpx"
        "httpx" needs "anyio"
            "anyio" needs "idna"
                "idna" doesn't have any dependencies
            "anyio" needs "sniffio"
                "sniffio" doesn't have any dependencies
            "anyio" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "httpx" needs "certifi"
            "certifi" doesn't have any dependencies
        "httpx" needs "httpcore"
            "httpcore" needs "certifi"
                "certifi" doesn't have any dependencies
            "httpcore" needs "h11"
                "h11" doesn't have any dependencies
        "httpx" needs "idna"
            "idna" doesn't have any dependencies
    "langsmith" needs "orjson"
        "orjson" doesn't have any dependencies
    "langsmith" needs "packaging"
        "packaging" doesn't have any dependencies
    "langsmith" needs "pydantic"
        "pydantic" needs "annotated-types"
            "annotated-types" doesn't have any dependencies
        "pydantic" needs "pydantic_core"
            "pydantic_core" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "pydantic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "langsmith" needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    "langsmith" needs "requests-toolbelt"
        "requests-toolbelt" needs "requests"
            "requests" needs "certifi"
                "certifi" doesn't have any dependencies
            "requests" needs "charset-normalizer"
                "charset-normalizer" doesn't have any dependencies
            "requests" needs "idna"
                "idna" doesn't have any dependencies
            "requests" needs "urllib3"
                "urllib3" doesn't have any dependencies
    "langsmith" needs "zstandard"
        "zstandard" doesn't have any dependencies
langchain-community needs "numpy"
    "numpy" doesn't have any dependencies
langchain-community needs "pydantic-settings"
    "pydantic-settings" needs "pydantic"
        "pydantic" needs "annotated-types"
            "annotated-types" doesn't have any dependencies
        "pydantic" needs "pydantic_core"
            "pydantic_core" needs "typing_extensions"
```


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```
                    "typing_extensions" doesn't have any dependencies
            "pydantic" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "pydantic-settings" needs "python-dotenv"
            "python-dotenv" doesn't have any dependencies
    langchain-community needs "PyYAML"
        "PyYAML" doesn't have any dependencies
    langchain-community needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    langchain-community needs "SQLAlchemy"
        "SQLAlchemy" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    langchain-community needs "tenacity"
        "tenacity" doesn't have any dependencies
```

```
package_name: aiohttp
license_type: Apache Software License
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```

```
package_name: aiohappyeyeballs
license_type: Python Software Foundation License
license_text:
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==========================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.
```


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In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
    because its license has a choice of law clause. According to
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Files: numpy/.dylibs/libscipy_openblas*.so
Description: bundled in OpenBLAS
Availability: https://github.com/OpenMathLib/OpenBLAS/
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Files: numpy/.dylibs/libgfortran*, numpy/.dylibs/libgcc*
Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libgfortran
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Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
License: LGPL-2.1-or-later

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---

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lifelines

Cameron Davidson-Pilon

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```
___
 lifelines has dependencies on following libraries:

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        "autograd" needs "numpy"
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    lifelines needs "autograd-gamma"
        "autograd-gamma" needs "autograd"
            "autograd" needs "numpy"
                "numpy" has bundled license that are included below
        "autograd-gamma" needs "scipy"
            "scipy" needs "numpy"
                "numpy" has bundled license that are included below
      "scipy" has bundled license that are included below
    lifelines needs "formulaic"
        "formulaic" needs "interface-meta"
            "interface-meta" doesn't have any dependencies
        "formulaic" needs "numpy"
            "numpy" has bundled license that are included below
        "formulaic" needs "pandas"
            "pandas" needs "numpy"
                "numpy" has bundled license that are included below
            "pandas" needs "python-dateutil"
                "python-dateutil" needs "six"
                    "six" doesn't have any dependencies
            "pandas" needs "pytz"
                "pytz" doesn't have any dependencies
            "pandas" needs "tzdata"
                "tzdata" doesn't have any dependencies
        "formulaic" needs "scipy"
            "scipy" needs "numpy"
                "numpy" has bundled license that are included below
      "scipy" has bundled license that are included below
        "formulaic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
        "formulaic" needs "wrapt"
            "wrapt" doesn't have any dependencies
    lifelines needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
```


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```
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
            "numpy" has bundled license that are included below
        "matplotlib" needs "packaging"
            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    lifelines needs "numpy"
        "numpy" has bundled license that are included below
    lifelines needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    lifelines needs "scipy"
        "scipy" needs "numpy"
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```

_____

```
package_name: autograd
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----

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 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
 * permission to include it under the MIT license instead.
 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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    zlib License
  ------------

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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The ziggurat methods were derived from Julia.

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Files: scipy/optimize/lbfgsb/*
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
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```
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

This code uses F2PY (http://cens.ioc.ee/projects/f2py2e/) to generate
the wrapper around the Fortran code.

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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All Python releases are Open Source (see https://opensource.org for
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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---

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Chris Colbert began the Kiwi project in December 2013 in an effort to create a blisteringly fast UI constraint solver. Chris is still the project lead.

The Nucleic Development Team is the set of all contributors to the Nucleic project and its subprojects.

The core team that coordinates development on GitHub can be found here: http://github.com/nucleic. The current team consists of:

* Chris Colbert

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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* https://github.com/eclipse-ee4j/servlet-api

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```

logback-classic

QOS.ch

```
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    #02 org.slf4j:slf4j-api:jar
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logback-classic

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logbook-spring-boot-starter

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  logbook-spring
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers.

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Files: numpy/.dylibs/libopenblas*.so
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"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""
This is a Python wrapper (using F2PY) written by David M. Cooke
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The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),

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      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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An example of the usage is given at the bottom of the lbfgsb.py file.
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Original Authors

- Steven Bird <stevenbird1@gmail.com>

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```
- Edward Loper <edloper@gmail.com>
- Ewan Klein <ewan@inf.ed.ac.uk>

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- Tim Gianitsos <https://github.com/timgianitsos>
- Philippe Partarrieu <https://github.com/ppartarr>
- Andrew Owen Martin
- Adrian Ellis <https://github.com/adrianjellis>
- Nat Quayle Nelson <https://github.com/nqnstudios>
- Yanpeng Zhao <https://github.com/zhaoyanpeng>
- Matan Rak <https://github.com/matanrak>
- Nick Ulle <https://github.com/nick-ulle>
- Uday Krishna <https://github.com/udaykrishna>
- Osman Zubair <https://github.com/okz12>
- Viresh Gupta <https://github.com/virresh>
- Ondřej Cífka <https://github.com/cifkao>
- Iris X. Zhou <https://github.com/irisxzhou>
- Devashish Lal <https://github.com/BLaZeKiLL>
- Gerhard Kremer <https://github.com/GerhardKa>
- Nicolas Darr <https://github.com/ndarr>
- Hervé Nicol <https://github.com/hervenicol>
- Alexandre H. T. Dias <https://github.com/alexandredias3d>
- Daksh Shah <https://github.com/Daksh>
- Jacob Weightman <https://github.com/jacobdweightman>
- Bonifacio de Oliveira <https://github.com/Bonifacio2>
- Armins Bagrats Stepanjans <https://github.com/ab-10>
- Vassilis Palassopoulos <https://github.com/palasso>
- Ram Rachum <https://github.com/cool-RR>
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- Danny Sepler <https://github.com/dannysepler>
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- Panagiotis Simakis <https://github.com/sp1thas>
- Richard Wang <https://github.com/richarddwang>
- Alexandre Perez-Lebel <https://github.com/aperezlebel>
- Fernando Carranza <https://github.com/fernandocar86>

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- Martin Kondratzky <https://github.com/martinkondra>
- Heungson Lee <https://github.com/heungson>
- M.K. Pawelkiewicz <https://github.com/hamiltonianflow>
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- Ron Urbach <https://github.com/sharpblade4>
- Vivek Kalyan <https://github.com/vivekkalyan>
- Tom Strange https://github.com/strangetom

Others whose work we've taken and included in NLTK, but who didn't directly contribute it:

Contributors to the Porter Stemmer

- Martin Porter
- Vivake Gupta
- Barry Wilkins
- Hiranmay Ghosh
- Chris Emerson

Authors of snowball arabic stemmer algorithm

- Assem Chelli
- Abdelkrim Aries
- Lakhdar Benzahia

---

nltk has dependencies on following libraries:

    nltk needs "click"
        "click" needs "importlib-metadata"
            "importlib-metadata" needs "typing-extensions"
                "typing-extensions" doesn't have any dependencies
            "importlib-metadata" needs "zipp"
                "zipp" doesn't have any dependencies
    nltk needs "joblib"
        "joblib" doesn't have any dependencies
    nltk needs "regex"
        "regex" doesn't have any dependencies
    nltk needs "tqdm"
        "tqdm" doesn't have any dependencies

---

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license_type: BSD License
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Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands

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as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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Nimbus OAuth 2.0 SDK with OpenID Connect extensions

Connect2id Ltd.

```
Nimbus OAuth 2.0 SDK with OpenID Connect extensions: com.nimbusds:oauth2-oidc-sdk

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jquery.graphviz.svg (https://github.com/mountainstorm/jquery.graphviz.svg/)

The DAG roadmap rendering code in docs/dagmap/ uses Javascript from this
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principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.
In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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All Python releases are Open Source (see http://www.opensource.org for
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releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

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NOTICE_Modifications:

Changes to original Implementation:

ADD methods:
  Optional<IOException> getException()
```


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```
  to get the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

  void resetError()
  to reset the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

ADD Test-Cases:
    getExceptionReturnsException()
    getExceptionReturnsExceptionUsingPrintWriter()
    resetException()
    resetError()

    to test the added methods


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 * modifications specific to printing floats in numpy.
 *
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the
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Original algorithm for the implementation of rk_interval function from Richard
J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus
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Constants used in the rk_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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python-dateutil

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---

prophet 1.1.5 has dependencies on following libraries:

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```
            "pandas" needs "python-dateutil"
                "python-dateutil" needs "six"
                    "six" doesn't have any dependencies
            "pandas" needs "pytz"
                "pytz" doesn't have any dependencies
            "pandas" needs "tzdata"
                "tzdata" doesn't have any dependencies
        "cmdstanpy" needs "stanio"
            "stanio" needs "numpy"
                "numpy" has bundled license that are included below
        "cmdstanpy" needs "tqdm"
            "tqdm" doesn't have any dependencies
    prophet needs "holidays"
        "holidays" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "importlib_resources"
        "importlib_resources" doesn't have any dependencies
    prophet needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
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        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
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            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
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        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
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            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "numpy"
        "numpy" has bundled license that are included below
    prophet needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    prophet needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
package_name: cmdstanpy
license_type: BSD License
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/*
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 *
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 */


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Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

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Name: MT19937

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Anthony G. Basile
Aric Belsito
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Justin Cormack
Kaarle Ritvanen
Khem Raj
Kylie McClain
Leah Neukirchen
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
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 ./src/main/resources/META-INF/jackson-core-NOTICE
# Jackson JSON processor
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* cpp/src/arrow/util/cpu-info.cc has a polyfill for mingw-w64 < 5

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* cpp/src/arrow/result.h is based on status_or.h

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* cpp/src/arrow/result.h ARROW_ASSIGN_OR_RAISE is based off ASSIGN_OR_RETURN
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 */


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Name: SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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* cpp/src/arrow/util/bit_stream_utils.h contains code from wire_format_lite.h

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java/vector/src/main/java/org/apache/arrow/vector/util/IntObjectHashMap.java
java/vector/src/main/java/org/apache/arrow/vector/util/IntObjectMap.java

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==========

pytorch-lightning

William Falcon et al.

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```
pytorch-lightning has dependencies on following libraries:

   pytorch-lightning needs "fsspec"
       "fsspec" doesn't have any dependencies
   pytorch-lightning needs "lightning-utilities"
       "lightning-utilities" needs "packaging"
           "packaging" doesn't have any dependencies
       "lightning-utilities" needs "setuptools"
           "setuptools" doesn't have any dependencies
       "lightning-utilities" needs "typing_extensions"
           "typing_extensions" doesn't have any dependencies
   pytorch-lightning needs "packaging"
       "packaging" doesn't have any dependencies
   pytorch-lightning needs "PyYAML"
       "PyYAML" doesn't have any dependencies
   pytorch-lightning needs "torch"
       "torch" needs "filelock"
           "filelock" doesn't have any dependencies
       "torch" needs "fsspec"
           "fsspec" doesn't have any dependencies
       "torch" needs "Jinja2"
           "Jinja2" needs "MarkupSafe"
               "MarkupSafe" doesn't have any dependencies
       "torch" needs "networkx"
           "networkx" doesn't have any dependencies
       "torch" needs "sympy"
           "sympy" needs "mpmath"
               "mpmath" doesn't have any dependencies
       "torch" needs "typing_extensions"
           "typing_extensions" doesn't have any dependencies
   pytorch-lightning needs "torchmetrics"
       "torchmetrics" needs "lightning-utilities"
           "lightning-utilities" needs "packaging"
               "packaging" doesn't have any dependencies
           "lightning-utilities" needs "setuptools"
               "setuptools" doesn't have any dependencies
           "lightning-utilities" needs "typing_extensions"
               "typing_extensions" doesn't have any dependencies
       "torchmetrics" needs "numpy"
           "numpy" has bundled license that are included in the LT

       "torchmetrics" needs "packaging"
           "packaging" doesn't have any dependencies
       "torchmetrics" needs "torch"
           "torch" needs "filelock"
               "filelock" doesn't have any dependencies
           "torch" needs "fsspec"
               "fsspec" doesn't have any dependencies
           "torch" needs "Jinja2"
               "Jinja2" needs "MarkupSafe"
                   "MarkupSafe" doesn't have any dependencies
           "torch" needs "networkx"
               "networkx" doesn't have any dependencies
           "torch" needs "sympy"
               "sympy" needs "mpmath"
                   "mpmath" doesn't have any dependencies
           "torch" needs "typing_extensions"
               "typing_extensions" doesn't have any dependencies
```


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```
    pytorch-lightning needs "tqdm"
        "tqdm" doesn't have any dependencies
    pytorch-lightning needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
```

```
package_name: fsspec
license_type: BSD License
license_text:
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license_type: Apache-2.0
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
```


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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
    because its license has a choice of law clause. According to
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    is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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     third_party/nlohmann/tools/cpplint
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The authors may be contacted via:

US Mail:             Eric Larsen, Stefan Gottschalk
                      Department of Computer Science
                      Sitterson Hall, CB #3175
                      University of North Carolina
                      Chapel Hill, NC 27599-3175

Phone:               (919) 962-1749

Email:               geom@cs.unc.edu

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/* C LALR(1) parser skeleton written by Richard Stallman, by
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/// @author Christophe Riccio
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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Name: Julia

The ziggurat methods were derived from Julia.

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Quartz Job Scheduler

Terracota

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ENS Paris-Saclay, CNRS

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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained optimization, i.e. for problems where the only constraints are of the form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke <cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004. The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version in March 2012.

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  * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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  * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
    FORTRAN routines for large scale bound constrained optimization (1997),
    ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
  * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
    FORTRAN routines for large scale bound constrained optimization (2011),
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"""
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The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file. Run it with 'python lbfgsb.py'.

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scikit-learn

scikit-learn developers

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___
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    scikit-learn needs "joblib"
        "joblib" doesn't have any dependencies
```


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```
    scikit-learn needs "numpy"
        "numpy" has bundled license that are included below
    scikit-learn needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled license that are included below
    scikit-learn needs "threadpoolctl"
        "threadpoolctl" doesn't have any dependencies
```

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 *
```


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```
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
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License of L-BFGS-B (Fortran code)
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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  """

The Python wrapper
==================

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Example usage
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An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
```


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```
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

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the wrapper around the Fortran code.

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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/*
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 * implementation, obtained from https://www.ryanjuckett.com,
 * which has been ported from C++ to C and which has
 * modifications specific to printing floats in numpy.
 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */
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--------------------------------------------------------------------------------
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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Name: LAPACK
Files: numpy/.dylibs/libscipy_openblas*.so
Description: bundled in OpenBLAS
Availability: https://github.com/OpenMathLib/OpenBLAS/
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sentence-transformers

Nils Reimers

package_name: sentence-transformers
license_type: Apache Software License
license_text: Copyright 2019 Nils Reimers

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```
sentence-transformers 3.0.0 has dependencies on following libraries:

   sentence-transformers needs "huggingface-hub"
       "huggingface-hub" needs "filelock"
           "filelock" doesn't have any dependencies
       "huggingface-hub" needs "fsspec"
           "fsspec" doesn't have any dependencies
       "huggingface-hub" needs "packaging"
           "packaging" doesn't have any dependencies
       "huggingface-hub" needs "PyYAML"
           "PyYAML" doesn't have any dependencies
       "huggingface-hub" needs "requests"
           "requests" needs "certifi"
               "certifi" doesn't have any dependencies
           "requests" needs "charset-normalizer"
               "charset-normalizer" doesn't have any dependencies
           "requests" needs "idna"
               "idna" doesn't have any dependencies
           "requests" needs "urllib3"
               "urllib3" doesn't have any dependencies
       "huggingface-hub" needs "tqdm"
           "tqdm" doesn't have any dependencies
       "huggingface-hub" needs "typing_extensions"
           "typing_extensions" doesn't have any dependencies
   sentence-transformers needs "numpy"
       "numpy" has bundled licenses that are included below
   sentence-transformers needs "pillow"
       "pillow" doesn't have any dependencies
   sentence-transformers needs "scikit-learn"
       "scikit-learn" needs "joblib"
           "joblib" doesn't have any dependencies
       "scikit-learn" needs "numpy"
           "numpy" has bundled licenses that are included below
       "scikit-learn" needs "scipy"
           "scipy" needs "numpy"
               "numpy" has bundled licenses that are included below
               "scipy" has bundled licenses that are included below
       "scikit-learn" needs "threadpoolctl"
           "threadpoolctl" doesn't have any dependencies
   sentence-transformers needs "scipy"
       "scipy" needs "numpy"
           "numpy" has bundled licenses that are included below
           "scipy" has bundled licenses that are included below
   sentence-transformers needs "torch"
       "torch" needs "filelock"
           "filelock" doesn't have any dependencies
       "torch" needs "fsspec"
           "fsspec" doesn't have any dependencies
       "torch" needs "Jinja2"
           "Jinja2" needs "MarkupSafe"
               "MarkupSafe" doesn't have any dependencies
       "torch" needs "networkx"
           "networkx" doesn't have any dependencies
       "torch" needs "sympy"
           "sympy" needs "mpmath"
               "mpmath" doesn't have any dependencies
       "torch" needs "typing_extensions"
           "typing_extensions" doesn't have any dependencies
```


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```
sentence-transformers needs "tqdm"
    "tqdm" doesn't have any dependencies
sentence-transformers needs "transformers"
    "transformers" needs "filelock"
        "filelock" doesn't have any dependencies
    "transformers" needs "huggingface-hub"
        "huggingface-hub" needs "filelock"
            "filelock" doesn't have any dependencies
        "huggingface-hub" needs "fsspec"
            "fsspec" doesn't have any dependencies
        "huggingface-hub" needs "packaging"
            "packaging" doesn't have any dependencies
        "huggingface-hub" needs "PyYAML"
            "PyYAML" doesn't have any dependencies
        "huggingface-hub" needs "requests"
            "requests" needs "certifi"
                "certifi" doesn't have any dependencies
            "requests" needs "charset-normalizer"
                "charset-normalizer" doesn't have any dependencies
            "requests" needs "idna"
                "idna" doesn't have any dependencies
            "requests" needs "urllib3"
                "urllib3" doesn't have any dependencies
        "huggingface-hub" needs "tqdm"
            "tqdm" doesn't have any dependencies
        "huggingface-hub" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "transformers" needs "numpy"
        "numpy" has bundled licenses that are included below
    "transformers" needs "packaging"
        "packaging" doesn't have any dependencies
    "transformers" needs "PyYAML"
        "PyYAML" doesn't have any dependencies
    "transformers" needs "regex"
        "regex" doesn't have any dependencies
    "transformers" needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    "transformers" needs "safetensors"
        "safetensors" doesn't have any dependencies
    "transformers" needs "tokenizers"
        "tokenizers" needs "huggingface-hub"
            "huggingface-hub" needs "filelock"
                "filelock" doesn't have any dependencies
            "huggingface-hub" needs "fsspec"
                "fsspec" doesn't have any dependencies
            "huggingface-hub" needs "packaging"
                "packaging" doesn't have any dependencies
            "huggingface-hub" needs "PyYAML"
                "PyYAML" doesn't have any dependencies
            "huggingface-hub" needs "requests"
                "requests" needs "certifi"
```


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```
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
                "huggingface-hub" needs "tqdm"
                    "tqdm" doesn't have any dependencies
                "huggingface-hub" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
        "transformers" needs "tqdm"
            "tqdm" doesn't have any dependencies
```

```
package_name: huggingface-hub
license_type: Apache Software License
license_text: Copyright 2019-present, the HuggingFace Inc. team.

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---

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This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.6	1.5.2	2000	CNRI	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
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setuptools-rust

Nikolay Kim

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shap

Scott Lundberg

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```

```
___
 shap 0.46.0 has dependencies on following libraries:
    shap needs "cloudpickle"
        "cloudpickle" doesn't have any dependencies
    shap needs "numba"
        "numba" needs "llvmlite"
            "llvmlite" doesn't have any dependencies
        "numba" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "numpy"
        "numpy" doesn't have any dependencies
    shap needs "packaging"
        "packaging" doesn't have any dependencies
    shap needs "pandas"
        "pandas" needs "numpy"
            "numpy" doesn't have any dependencies
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    shap needs "scikit-learn"
        "scikit-learn" needs "joblib"
            "joblib" doesn't have any dependencies
        "scikit-learn" needs "numpy"
            "numpy" doesn't have any dependencies
        "scikit-learn" needs "scipy"
            "scipy" needs "numpy"
                "numpy" doesn't have any dependencies
        "scikit-learn" needs "threadpoolctl"
            "threadpoolctl" doesn't have any dependencies
    shap needs "scipy"
        "scipy" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "slicer"
```


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```
        "slicer" doesn't have any dependencies
    shap needs "tqdm"
        "tqdm" doesn't have any dependencies
```

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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
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=============
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 *
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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org.springframework.boot:spring-boot-starter-logging
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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It is currently developed by a community of developers.

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This project provides parsers for double, float, BigDecimal and BigInteger values.

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers.

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## FastDoubleParser

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Jackson JSON processor

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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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Other developers who have contributed code are:

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* Source:
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 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
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[subs="normal"]
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Specification: {doctitle}
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Status: {revremark}
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["preface",sectnum="0"]
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....
Specification: {doctitle}
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- jakarta_web-services_client_2_0.xsd
- jsp_3_0.xsd
- jsp_3_1.xsd
- web-app_5_0.xsd
- web-app_6_0.xsd
- web-commonn_5_0.xsd
- web-commonn_6_0.xsd
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[subs="normal"]
....

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Specification Lead:  Red Hat, Inc.

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- web-commonn_5_0.xsd
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/*
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for JSON written by Robert Fischer.
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The original XML Schemas for Java EE Deployment Descriptors:
 - javaee_5.xsd
 - javaee_web_services_1_2.xsd
 - javaee_web_services_client_1_2.xsd
 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
```


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```
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
 - web-common_4_0.xsd
 - web-fragment_4_0.xsd
may be obtained from:
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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./spring-boot-project/spring-boot-tools/spring-boot-cli/src/main/content/LICENCE.txt

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The project maintains the following source code repositories:

* https://github.com/jakartaee/jaxb-api
* https://github.com/jakartaee/jaxb-tck

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 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
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 - web-common_3_1.xsd
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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(https://github.com/twitter/finagle).

This software contains code derived from jgroups-kubernetes
developed by the JGroups project (http://www.jgroups.org/).

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

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

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
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 - javaee_web_services_client_1_2.xsd
 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
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may be obtained from:
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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- jsp_3_0.xsd
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- web-app_5_0.xsd
- web-app_6_0.xsd
- web-commonn_5_0.xsd
- web-commonn_6_0.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
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 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
 - web-common_4_0.xsd
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```


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Dependency: org.slf4j:jul-to-slf4j
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This is a Java port of Daniel Lemire's fast_float project.
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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Logback LICENSE
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 - web-common_3_0.xsd
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 - javaee_7.xsd
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 - jsp_2_3.xsd
 - web-app_3_1.xsd
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 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
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     - web-fragment_3_0.xsd
     - javaee_7.xsd
     - javaee_web_services_1_4.xsd
     - javaee_web_services_client_1_4.xsd
     - jsp_2_3.xsd
     - web-app_3_1.xsd
     - web-common_3_1.xsd
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org.springframework:spring-beans
org.springframework:spring-webmvc
org.springframework:spring-context
org.springframework:spring-expression
org.springframework:spring-aop
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This project provides parsers for double, float, BigDecimal and BigInteger values.

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  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util

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---

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==========

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Name: SPLITMIX64

Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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Name: SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Name: PCG64

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PCG Random Number Generation for C.

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope

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Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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Name: Qhull

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C.B. Barber
Arlington, MA

and

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Name: pypocketfft

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Name: uarray
Files: scipy/_lib/uarray/*
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Name: HiGHS

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Name: Biasedurn

---------- Forwarded message ---------
From: Agner Fog <agner@agner.org>
Date: Wed, Jul 22, 2020 at 8:54 PM
Subject: Re: Add BiasedUrn to SciPy?
To: Matt Haberland <mhaberla@calpoly.edu>
Cc: Warren Weckesser <warren.weckesser@gmail.com>

Dear Matt The C++ code for these distributions without binding to the R project are available here:
https://www.agner.org/random/stocc.zip
You have my permission to use it in SciPy under the new BSD license.
Best regards,
Agner Fog

On 22/07/2020 17.05, Matt Haberland wrote:
Hi Agner, I'm a maintainer of the Python scientific computing library SciPy, and I'm working on improving the capabilities of our statistics subpackage scipy.stats. We'd like to add both Fisher's and Wallenius' noncentral hypergeometric distributions, but these look quite challenging to implement. We found your BiasedUrn package, and we'd love to wrap it, but we can't include GPL-3 licensed code under our BSD-new license. Would you consider re-licensing BiasedUrn under a more permissive license, such as BSD-new or MIT, so we can include it in SciPy?
Thank you for considering it!
Matt
--
Matt Haberland
Assistant Professor
BioResource and Agricultural Engineering
08A-3K, Cal Poly

Name: UNU.RAN

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Permission was granted on 23 March 2021 by Josef Leydold
(josef.leydold@wu.ac.at) and Wolfgang Hoermann (hormannw@bound.edu.tr)
to use the UNU.RAN code excluding the uniform random number generator in src/
uniform/mrg31k3p.c (copyright by Renee Touzin)
under the BSD licence. The following files have been removed from the original
library:

    unuran-1.8.1/COPYING
    unuran-1.8.1/INSTALL
    unuran-1.8.1/Makefile.am
    unuran-1.8.1/Makefile.in
    unuran-1.8.1/NEWS
    unuran-1.8.1/UPGRADE
    unuran-1.8.1/acinclude.m4
    unuran-1.8.1/aclocal.m4
    unuran-1.8.1/autoconf/config.guess
    unuran-1.8.1/autoconf/config.sub
    unuran-1.8.1/autoconf/depcomp
    unuran-1.8.1/autoconf/install-sh
    unuran-1.8.1/autoconf/ltmain.sh
    unuran-1.8.1/autoconf/mdate-sh
    unuran-1.8.1/autoconf/missing
    unuran-1.8.1/autogen.sh
    unuran-1.8.1/configure
    unuran-1.8.1/doc/Makefile.am
    unuran-1.8.1/doc/Makefile.in
    unuran-1.8.1/doc/figures/Makefile.am
    unuran-1.8.1/doc/figures/Makefile.in
    unuran-1.8.1/doc/figures/discrete_inversion.eps
    unuran-1.8.1/doc/figures/discrete_inversion.pdf
    unuran-1.8.1/doc/figures/discrete_inversion.png
    unuran-1.8.1/doc/figures/discrete_inversion.txt
    unuran-1.8.1/doc/figures/inversion.eps
    unuran-1.8.1/doc/figures/inversion.pdf
    unuran-1.8.1/doc/figures/inversion.png
    unuran-1.8.1/doc/figures/inversion.txt
    unuran-1.8.1/doc/figures/rejection_from_constant_hat.eps
    unuran-1.8.1/doc/figures/rejection_from_constant_hat.pdf
    unuran-1.8.1/doc/figures/rejection_from_constant_hat.png
    unuran-1.8.1/doc/figures/rejection_from_constant_hat.txt
    unuran-1.8.1/doc/figures/rou-cauchy.eps
    unuran-1.8.1/doc/figures/rou-cauchy.pdf
    unuran-1.8.1/doc/figures/rou-cauchy.png
    unuran-1.8.1/doc/figures/rou-cauchy.txt
    unuran-1.8.1/doc/figures/texpict2img.pl
    unuran-1.8.1/doc/src/Makefile.am
    unuran-1.8.1/doc/src/Makefile.in
    unuran-1.8.1/doc/src/README
    unuran-1.8.1/doc/src/arvag.dh
    unuran-1.8.1/doc/src/error_debug.dh
    unuran-1.8.1/doc/src/examples.dh
    unuran-1.8.1/doc/src/glossary.dh
    unuran-1.8.1/doc/src/index.dh
    unuran-1.8.1/doc/src/installation.dh
    unuran-1.8.1/doc/src/intro.dh
    unuran-1.8.1/doc/src/make_texi.pl
    unuran-1.8.1/doc/src/methods.dh
    unuran-1.8.1/doc/src/methods_cemp.texi

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unuran-1.8.1/doc/src/methods_cont.texi
unuran-1.8.1/doc/src/methods_cvec.texi
unuran-1.8.1/doc/src/methods_cvemp.texi
unuran-1.8.1/doc/src/methods_discr.texi
unuran-1.8.1/doc/src/methods_matr.texi
unuran-1.8.1/doc/src/methods_mcmc.texi
unuran-1.8.1/doc/src/misc.dh
unuran-1.8.1/doc/src/ref_example0.texi
unuran-1.8.1/doc/src/ref_example0_str.texi
unuran-1.8.1/doc/src/ref_example1.texi
unuran-1.8.1/doc/src/ref_example1_str.texi
unuran-1.8.1/doc/src/ref_example2.texi
unuran-1.8.1/doc/src/ref_example2_str.texi
unuran-1.8.1/doc/src/ref_example3.texi
unuran-1.8.1/doc/src/ref_example3_str.texi
unuran-1.8.1/doc/src/ref_example_FuncStr.texi
unuran-1.8.1/doc/src/ref_example_anti.texi
unuran-1.8.1/doc/src/ref_example_anti_str.texi
unuran-1.8.1/doc/src/ref_example_cext.texi
unuran-1.8.1/doc/src/ref_example_cont.texi
unuran-1.8.1/doc/src/ref_example_cont_str.texi
unuran-1.8.1/doc/src/ref_example_dext.texi
unuran-1.8.1/doc/src/ref_example_discr.texi
unuran-1.8.1/doc/src/ref_example_discr_str.texi
unuran-1.8.1/doc/src/ref_example_emp.texi
unuran-1.8.1/doc/src/ref_example_emp_str.texi
unuran-1.8.1/doc/src/ref_example_gsl.texi
unuran-1.8.1/doc/src/ref_example_mixt.texi
unuran-1.8.1/doc/src/ref_example_mixt_inv.texi
unuran-1.8.1/doc/src/ref_example_rngstreams.texi
unuran-1.8.1/doc/src/ref_example_vemp.texi
unuran-1.8.1/doc/src/ref_example_win32_1.texi
unuran-1.8.1/doc/src/ref_example_win32_2.texi
unuran-1.8.1/doc/src/references.dh
unuran-1.8.1/doc/src/stddist.dh
unuran-1.8.1/doc/src/texinfo.tex
unuran-1.8.1/doc/src/top.dh
unuran-1.8.1/doc/src/unuran_src.texi
unuran-1.8.1/doc/stamp-1
unuran-1.8.1/doc/stamp-vti
unuran-1.8.1/doc/unuran.html
unuran-1.8.1/doc/unuran.info
unuran-1.8.1/doc/unuran.pdf
unuran-1.8.1/doc/unuran.texi
unuran-1.8.1/doc/unuran.txt
unuran-1.8.1/doc/unuran_win32.html
unuran-1.8.1/doc/unuran_win32.info
unuran-1.8.1/doc/unuran_win32.pdf
unuran-1.8.1/doc/unuran_win32.texi
unuran-1.8.1/doc/unuran_win32_libname.texi
unuran-1.8.1/doc/version.texi
unuran-1.8.1/doc/version_win32.texi
unuran-1.8.1/examples/Makefile.am
unuran-1.8.1/examples/Makefile.in
unuran-1.8.1/examples/example0.c
unuran-1.8.1/examples/example0_str.c
unuran-1.8.1/examples/example1.c
unuran-1.8.1/examples/example1_str.c
```


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unuran-1.8.1/examples/example2.c
unuran-1.8.1/examples/example2_str.c
unuran-1.8.1/examples/example3.c
unuran-1.8.1/examples/example3_str.c
unuran-1.8.1/examples/example_FuncStr.c
unuran-1.8.1/examples/example_anti.c
unuran-1.8.1/examples/example_anti_str.c
unuran-1.8.1/examples/example_cext.c
unuran-1.8.1/examples/example_cont.c
unuran-1.8.1/examples/example_cont_str.c
unuran-1.8.1/examples/example_cpp.cpp
unuran-1.8.1/examples/example_dext.c
unuran-1.8.1/examples/example_discr.c
unuran-1.8.1/examples/example_discr_str.c
unuran-1.8.1/examples/example_emp.c
unuran-1.8.1/examples/example_emp_str.c
unuran-1.8.1/examples/example_errorhandler.c
unuran-1.8.1/examples/example_gsl.c
unuran-1.8.1/examples/example_mcorr.c
unuran-1.8.1/examples/example_mixt.c
unuran-1.8.1/examples/example_mixt_inv.c
unuran-1.8.1/examples/example_prng.c
unuran-1.8.1/examples/example_prng_str.c
unuran-1.8.1/examples/example_rngstreams.c
unuran-1.8.1/examples/example_vemp.c
unuran-1.8.1/experiments/Makefile.am
unuran-1.8.1/experiments/Makefile.in
unuran-1.8.1/experiments/make_timing_table.c
unuran-1.8.1/experiments/timings_chap_10.conf
unuran-1.8.1/experiments/timings_chap_8.conf
unuran-1.8.1/scripts/Makefile.am
unuran-1.8.1/scripts/Makefile.in
unuran-1.8.1/scripts/compute_machine_constants.c
unuran-1.8.1/scripts/make_urng_header.pl
unuran-1.8.1/scripts/merge_h.pl
unuran-1.8.1/scripts/read_PDF.pl
unuran-1.8.1/scripts/remove_comments.pl
unuran-1.8.1/scripts/run_valgrind.sh
unuran-1.8.1/scripts/win32/Makefile.win32
unuran-1.8.1/scripts/win32/build.sh
unuran-1.8.1/scripts/win32/example1.c
unuran-1.8.1/scripts/win32/example2.c
unuran-1.8.1/scripts/win32/make_dll_def.pl
unuran-1.8.1/src/Makefile.am
unuran-1.8.1/src/Makefile.in
unuran-1.8.1/src/README
unuran-1.8.1/src/distr/Makefile.am
unuran-1.8.1/src/distr/Makefile.in
unuran-1.8.1/src/distributions/Makefile.am
unuran-1.8.1/src/distributions/Makefile.in
unuran-1.8.1/src/distributions/README
unuran-1.8.1/src/methods/Makefile.am
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unuran-1.8.1/src/parser/Makefile.am
unuran-1.8.1/src/parser/Makefile.in
unuran-1.8.1/src/parser/functparser_doc.dh
unuran-1.8.1/src/parser/make_stringparser.pl
unuran-1.8.1/src/parser/stringparser_doc.dh
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unuran-1.8.1/src/uniform/Makefile.am
unuran-1.8.1/src/uniform/Makefile.in
unuran-1.8.1/src/uniform/fish.c
unuran-1.8.1/src/uniform/mrg31k3p.c
unuran-1.8.1/src/uniform/mstd.c
unuran-1.8.1/src/uniform/unuran_urng_gsl.h
unuran-1.8.1/src/uniform/unuran_urng_prng.h
unuran-1.8.1/src/uniform/unuran_urng_rngstreams.h
unuran-1.8.1/src/uniform/urng_builtin.c
unuran-1.8.1/src/uniform/urng_builtin.h
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unuran-1.8.1/tests/t_ars.conf
unuran-1.8.1/tests/t_auto.c
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unuran-1.8.1/tests/t_dau.c
unuran-1.8.1/tests/t_dau.conf
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unuran-1.8.1/tests/t_distr.conf
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unuran-1.8.1/tests/t_distr_condi.conf
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unuran-1.8.1/tests/t_hrb.conf
unuran-1.8.1/tests/t_hrd.c
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unuran-1.8.1/tests/testunuran.h
unuran-1.8.1/src/distr/deprecated_distr.c
unuran-1.8.1/src/distr/deprecated_distr.h
unuran-1.8.1/src/methods/deprecated_methods.c
```


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```
    unuran-1.8.1/src/methods/deprecated_methods.h
    unuran-1.8.1/src/methods/deprecated_tdrgw.h
    unuran-1.8.1/src/methods/deprecated_vmt.c
    unuran-1.8.1/src/methods/deprecated_vmt.h
    unuran-1.8.1/src/methods/deprecated_vmt_struct.h
    unuran-1.8.1/src/parser/stringparser_lists.ch.in

UNU.RAN relies on a modified version of the library Cephes, see ./src/src/
specfunct/cephes_source.h

Details from /src/src/specfunct/cephes_source.h
================================================
   This file was considerably changed for UNU.RAN.
   As a consequence it has been renamed from "mconf.h" to
   "cephes_source.h" to avoid confusion.

   We were only interested in the files:
      gamma.c
      igamma.c
      incbet.c
      ndtr.c
      ndtri.c
   to use these files we needed the auxiliary files:
      isnan.c
      mtherr.c
      polevl.c
   The aim was to enhance portability for ANSI C without expert
   knowledge of the floating point unit.
   The main changes are
      numeric constants (in cephes - const.c) are replaced
      by macros defined in this file (source_mconf.h).
      We changed these constants using the constants provided by
      ANSI C in the math.h file.
      We changed also the definitions of MAXGAM (in incbet.c) and of
      MAXSTIR (in gamma.c).
      Everything concerning NANS and INFINITY was moved into isnan.c.
      (Also the defines to turn it off or on.)
      We have only tested this version with NAN and INFINITY turned
      off, but we have not changed anything concerning that
      question. So turning this support on should (could) work.
   March 26th, 2001, Josef Leydold and Wolfgang Hoermann.

/*-------------------------------------------------------------------------*/

/*              mconf.h
 *
 *  Common include file for math routines
 *
 *
 *
 * SYNOPSIS:
 *
 * #include "mconf.h"
 *
 *
 *
 * DESCRIPTION:
 *
```


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```
 * This file contains definitions for error codes that are
 * passed to the common error handling routine mtherr()
 * (which see).
 *
 * The file also includes a conditional assembly definition
 * for the type of computer arithmetic (IEEE, DEC, Motorola
 * IEEE, or UNKnown).
 *
 * For Digital Equipment PDP-11 and VAX computers, certain
 * IBM systems, and others that use numbers with a 56-bit
 * significand, the symbol DEC should be defined.  In this
 * mode, most floating point constants are given as arrays
 * of octal integers to eliminate decimal to binary conversion
 * errors that might be introduced by the compiler.
 *
 * For little-endian computers, such as IBM PC, that follow the
 * IEEE Standard for Binary Floating Point Arithmetic (ANSI/IEEE
 * Std 754-1985), the symbol IBMPC should be defined.  These
 * numbers have 53-bit significands.  In this mode, constants
 * are provided as arrays of hexadecimal 16 bit integers.
 *
 * Big-endian IEEE format is denoted MIEEE.  On some RISC
 * systems such as Sun SPARC, double precision constants
 * must be stored on 8-byte address boundaries.  Since integer
 * arrays may be aligned differently, the MIEEE configuration
 * may fail on such machines.
 *
 * To accommodate other types of computer arithmetic, all
 * constants are also provided in a normal decimal radix
 * which one can hope are correctly converted to a suitable
 * format by the available C language compiler.  To invoke
 * this mode, define the symbol UNK.
 *
 * An important difference among these modes is a predefined
 * set of machine arithmetic constants for each.  The numbers
 * MACHEP (the machine roundoff error), MAXNUM (largest number
 * represented), and several other parameters are preset by
 * the configuration symbol.  Check the file const.c to
 * ensure that these values are correct for your computer.
 *
 * Configurations NANS, INFINITIES, MINUSZERO, and DENORMAL
 * may fail on many systems.  Verify that they are supposed
 * to work on your computer.
 */

Cephes Math Library Release 2.3:  June, 1995
Copyright 1984, 1987, 1989, 1995 by Stephen L. Moshier

--------------------------------------------------------------------------------
------------------------------------------------

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Contributors (alphabetical order)

- Adam Chainz adam@MASKED
- Adrien Cossa cossa@MASKED
- Alec Nikolas Reiter alecreiter@MASKED
- Alec Reiter areiter@MASKED
- Aleksei Strizhak alexei.mifrill.strizhak@MASKED (gh: @Mifrill)
- Alex Chamberlain (gh: @alexchamberlain) D
- Alex Verdyan verdyan@MASKED
- Alex Willmer alex@moreati.org.uk (gh: @moreati) R
- Alexander Brugh alexander.brugh@MASKED (gh: @abrugh)
- Alexander Shadchin alexandr.shadchin@gmail.com (gh: @shadchin) D
- Alistair McMaster alistair@MASKED (gh: @alimcmaster1) D
- Allison Quinlan aquinlan82@gmail.com (gh: @aquinlan) D
- Andrew Bennett (gh: @andrewcbennett) D
- Andrew Murray radarhere@MASKED
- Arclight arclight@MASKED (gh: @arclightslavik)
- Aritro Nandi gurgenz221@gmail.com (gh: @gurgenz221) D
- Bernat Gabor bgabor8@bloomberg.net (gh: @gaborbernat) D
- Bradlee Speice bradlee@speice.io (gh: @bspeice) D
- Brandon W Maister quodlibetor@MASKED
- Brock Mendel jbrockmendel@MASKED (gh: @jbrockmendel) R
- Brook Li (gh: @absreim) D
- Carlos carlosxl@MASKED
- Cheuk Ting Ho cheukting.ho@gmail.com (gh: @cheukting) D
- Chris van den Berg (gh: bergvca) D
- Christopher Cordero ccordero@pm.me (gh: cs-cordero) D
- Christopher Corley cscorley@MASKED
- Claudio Canepa ccanepacc@MASKED
- Corey Girard corey.r.girard@gmail.com (gh: @coreygirard) D
- Cosimo Lupo cosimo@anthrotype.com (gh: @anthrotype) D

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- Daniel Lemm (gh: @ffe4) D
- Daniel Lepage dplepage@MASKED
- David Lehrian david@MASKED
- Dean Allsopp (gh: @daplantagenet) D
- Dominik Kozaczko dominik@MASKED
- Elliot Hughes elliot.hughes@gmail.com (gh: @ElliotJH) D
- Elvis Pranskevichus el@MASKED
- Fan Huang fanhuang.scb@gmail.com(gh: @fhuang5) D
- Florian Rathgeber (gh: @kynan) D
- Gabriel Bianconi gabriel@MASKED (gh: @GabrielBianconi) D
- Gabriel Poesia gabriel.poesia@MASKED
- Gökçen Nurlu gnurlu1@bloomberg.net (gh: @gokcennurlu) D
- Grant Garrett-Grossman grantlycee@gmail.com (gh: @FakeNameSE) D
- Gustavo Niemeyer gustavo@niemeyer.net (gh: @niemeyer)
- Holger Joukl holger.joukl@MASKED (gh: @hjoukl)
- Hugo van Kemenade (gh: @hugovk) D
- Igor mrigor83@MASKED
- Ionuț Ciocîrlan jdxlark@MASKED
- Jacqueline Chen jacqueline415@outlook.com (gh: @jachen20) D
- Jake Chorley (gh: @jakec-github) D
- Jakub Kulík (gh: @kulikjak) D
- Jan Studený jendas1@MASKED
- Jay Weisskopf jay@jayschwa.net (gh: @jayschwa) D
- Jitesh jitesh@MASKED
- John Purviance jpurviance@MASKED (gh @jpurviance) D
- Jon Dufresne jon.dufresne@MASKED (gh: @jdufresne) R
- Jonas Neubert jonas@MASKED (gh: @jonemo) R
- Kevin Nguyen kvn219@MASKED D
- Kirit Thadaka kirit.thadaka@gmail.com (gh: @kirit93) D
- Kubilay Kocak koobs@MASKED
- Laszlo Kiss Kollar kiss.kollar.laszlo@MASKED (gh: @lkollar) D
- Lauren Oldja oldja@MASKED (gh: @loldja) D
- Luca Ferocino luca.ferox@MASKED (gh: @lucaferocino) D
- Mario Corchero mcorcherojim@MASKED (gh: @mariocj89) R
- Mark Bailey msb@MASKED D
- Mateusz Dziedzic (gh: @m-dz) D
- Matt Cooper vtbassmatt@MASKED (gh: @vtbassmatt) D
- Matthew Schinckel matt@MASKED
- Max Shenfield shenfieldmax@MASKED
- Maxime Lorant maxime.lorant@MASKED
- Michael Aquilina michaelaquilina@MASKED (gh: @MichaelAquilina)
- Michael J. Schultz mjschultz@MASKED
- Michael Käufl (gh: @michael-k)
- Mike Gilbert floppym@MASKED
- Nicholas Herrriot Nicholas.Herriot@gmail.com D
- Nicolas Évrard (gh: @nicoe) D
- Nick Smith nick.smith@MASKED
- Orson Adams orson.network@MASKED (gh: @parsethis) D
- Paul Brown (gh: @pawl) D
- Paul Dickson (gh @prdickson) D
- Paul Ganssle paul@ganssle.io (gh: @pganssle) R
- Pascal van Kooten kootenpv@MASKED (gh: @kootenpv) R
- Pavel Ponomarev comrad.awsum@MASKED
- Peter Bieringer pb@MASKED
- Pierre Gergondet pierre.gergondet@MASKED (gh: @gergondet) D
- Quentin Pradet quentin@MASKED
- Raymond Cha (gh: @weatherpattern) D
- Ridhi Mahajan ridhikmahajan@MASKED D

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- Robin Henriksson Törnström <gh: @MrRawbin> D
- Roy Williams rwilliams@MASKED
- Rustem Saiargaliev (gh: @amureki) D
- Satyabrat Bhol satyabrat35@MASKED (gh: @Satyabrat35) D
- Savraj savraj@MASKED
- Sergey Vishnikin armicron@MASKED
- Sherry Zhou (gh: @cssherry) D
- Siping Meng (gh: @smeng10) D
- Stefan Bonchev D
- Thierry Bastian thierryb@MASKED
- Thomas A Caswell tcaswell@MASKED (gh: @tacaswell) R
- Thomas Achtemichuk tom@MASKED
- Thomas Grainger tagrain@gmail.com (gh: @graingert) D
- Thomas Kluyver takowl@MASKED (gh: @takluyver)
- Tim Gates tim.gates@iress.com (gh: timgates42)
- Tomasz Kluczkowski (gh: @Tomasz-Kluczkowski) D
- Tomi Pieviläinen tomi.pievilainen@iki.fi
- Unrud Unrud@MASKED (gh: @unrud)
- Xavier Lapointe lapointe.xavier@MASKED (gh: @lapointexavier) D
- X O xo@MASKED
- Yaron de Leeuw me@jarondl.net (gh: @jarondl)
- Yoney alper_yoney@hotmail.com D
- Yuan Huang huangy22@gmail.com (gh: @huangy22) D
- Zbigniew Jędrzejewski-Szmek zbyszek@MASKED
- bachmann bachmann.matt@MASKED
- bjv brandon.vanvaerenbergh@MASKED (@bjamesvERT)
- gl gl@MASKED
- gfyoung gfyoung17@gmail.com D
- Labrys labrys.git@gmail.com (gh: @labrys) R
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```


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```
ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt).  This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $


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---------- Separator ----------

null (same as :certifi)

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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---

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tensorflow-hub needs "numpy"

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```
    "numpy" has bundled licenses that are included below
tensorflow-hub needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow-hub needs "tf_keras"
    "tf_keras" needs "tensorflow"
        "tensorflow" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "tensorflow" needs "astunparse"
            "astunparse" needs "six"
                "six" doesn't have any dependencies
            "astunparse" needs "wheel"
                "wheel" doesn't have any dependencies
        "tensorflow" needs "flatbuffers"
            "flatbuffers" doesn't have any dependencies
        "tensorflow" needs "gast"
            "gast" doesn't have any dependencies
        "tensorflow" needs "google-pasta"
            "google-pasta" needs "six"
                "six" doesn't have any dependencies
        "tensorflow" needs "grpcio"
            "grpcio" doesn't have any dependencies
        "tensorflow" needs "h5py"
            "h5py" needs "numpy"
                "numpy" has bundled licenses that are included below
        "tensorflow" needs "keras"
            "keras" needs "absl-py"
                "absl-py" doesn't have any dependencies
            "keras" needs "h5py"
                "h5py" needs "numpy"
                    "numpy" has bundled licenses that are included below
            "keras" needs "ml-dtypes"
                "ml-dtypes" needs "numpy"
                    "numpy" has bundled licenses that are included below
            "keras" needs "namex"
                "namex" doesn't have any dependencies
            "keras" needs "numpy"
                "numpy" has bundled licenses that are included below
            "keras" needs "optree"
                "optree" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
            "keras" needs "packaging"
                "packaging" doesn't have any dependencies
            "keras" needs "rich"
                "rich" needs "markdown-it-py"
                    "markdown-it-py" needs "mdurl"
                        "mdurl" doesn't have any dependencies
                "rich" needs "Pygments"
                    "Pygments" doesn't have any dependencies
        "tensorflow" needs "libclang"
            "libclang" doesn't have any dependencies
        "tensorflow" needs "ml-dtypes"
            "ml-dtypes" needs "numpy"
                "numpy" has bundled licenses that are included below
        "tensorflow" needs "numpy"
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        "tensorflow" needs "opt-einsum"
            "opt-einsum" needs "numpy"
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```
                "tensorflow" needs "packaging"
                    "packaging" doesn't have any dependencies
                "tensorflow" needs "protobuf"
                    "protobuf" doesn't have any dependencies
                "tensorflow" needs "requests"
                    "requests" needs "certifi"
                        "certifi" doesn't have any dependencies
                    "requests" needs "charset-normalizer"
                        "charset-normalizer" doesn't have any dependencies
                    "requests" needs "idna"
                        "idna" doesn't have any dependencies
                    "requests" needs "urllib3"
                        "urllib3" doesn't have any dependencies
                "tensorflow" needs "setuptools"
                    "setuptools" doesn't have any dependencies
                "tensorflow" needs "six"
                    "six" doesn't have any dependencies
                "tensorflow" needs "tensorboard"
                    "tensorboard" needs "absl-py"
                        "absl-py" doesn't have any dependencies
                    "tensorboard" needs "grpcio"
                        "grpcio" doesn't have any dependencies
                    "tensorboard" needs "Markdown"
                        "Markdown" doesn't have any dependencies
                    "tensorboard" needs "numpy"
                        "numpy" has bundled licenses that are included below
                    "tensorboard" needs "protobuf"
                        "protobuf" doesn't have any dependencies
                    "tensorboard" needs "setuptools"
                        "setuptools" doesn't have any dependencies
                    "tensorboard" needs "six"
                        "six" doesn't have any dependencies
                    "tensorboard" needs "tensorboard-data-server"
                        "tensorboard-data-server" doesn't have any dependencies
                    "tensorboard" needs "Werkzeug"
                        "Werkzeug" needs "MarkupSafe"
                            "MarkupSafe" doesn't have any dependencies
                "tensorflow" needs "tensorflow-io-gcs-filesystem"
                    "tensorflow-io-gcs-filesystem" doesn't have any dependencies
                "tensorflow" needs "termcolor"
                    "termcolor" doesn't have any dependencies
                "tensorflow" needs "typing_extensions"
                    "typing_extensions" doesn't have any dependencies
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license_text:
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
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(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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package_name: charset-normalizer
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```
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--------------------------------------------------------------------------------
---
 tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"
        "flatbuffers" doesn't have any dependencies
    tensorflow needs "gast"
        "gast" doesn't have any dependencies
    tensorflow needs "google-pasta"
        "google-pasta" needs "six"
            "six" doesn't have any dependencies
    tensorflow needs "grpcio"
        "grpcio" doesn't have any dependencies
    tensorflow needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "keras"
        "keras" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "keras" needs "h5py"
            "h5py" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "ml-dtypes"
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "namex"
            "namex" doesn't have any dependencies
        "keras" needs "numpy"
            "numpy" doesn't have any dependencies
        "keras" needs "optree"
            "optree" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "keras" needs "packaging"
            "packaging" doesn't have any dependencies
        "keras" needs "rich"
            "rich" needs "markdown-it-py"
                "markdown-it-py" needs "mdurl"
                    "mdurl" doesn't have any dependencies
            "rich" needs "Pygments"
                "Pygments" doesn't have any dependencies
    tensorflow needs "libclang"
        "libclang" doesn't have any dependencies
    tensorflow needs "ml-dtypes"
        "ml-dtypes" needs "numpy"
```


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```
            "numpy" doesn't have any dependencies
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "numpy"
        "numpy" doesn't have any dependencies
    tensorflow needs "opt_einsum"
        "opt_einsum" doesn't have any dependencies
    tensorflow needs "packaging"
        "packaging" doesn't have any dependencies
    tensorflow needs "protobuf"
        "protobuf" doesn't have any dependencies
    tensorflow needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    tensorflow needs "setuptools"
        "setuptools" doesn't have any dependencies
    tensorflow needs "six"
        "six" doesn't have any dependencies
    tensorflow needs "tensorboard"
        "tensorboard" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "tensorboard" needs "grpcio"
            "grpcio" doesn't have any dependencies
        "tensorboard" needs "Markdown"
            "Markdown" doesn't have any dependencies
        "tensorboard" needs "numpy"
            "numpy" doesn't have any dependencies
        "tensorboard" needs "protobuf"
            "protobuf" doesn't have any dependencies
        "tensorboard" needs "setuptools"
            "setuptools" doesn't have any dependencies
        "tensorboard" needs "six"
            "six" doesn't have any dependencies
        "tensorboard" needs "tensorboard-data-server"
            "tensorboard-data-server" doesn't have any dependencies
        "tensorboard" needs "Werkzeug"
            "Werkzeug" needs "MarkupSafe"
                "MarkupSafe" doesn't have any dependencies
    tensorflow needs "tensorflow-io-gcs-filesystem"
        "tensorflow-io-gcs-filesystem" doesn't have any dependencies
    tensorflow needs "termcolor"
        "termcolor" doesn't have any dependencies
    tensorflow needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

```
package_name: absl-py
license_type: Apache Software License
```


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license_text:
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license_text:
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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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package_name: ml-dtypes
license_type: Apache Software License
license_text:
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```

```
package_name: namex
license_type: Apache License 2.0
license_text:
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license_type: Apache Software License 2.0
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```
package_name: typing_extensions
license_type: Python Software Foundation License
license_text:
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==========================

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Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations, which became
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    0.9.0 thru 1.2              1991-1995   CWI         yes
    1.3 thru 1.5.2  1.2         1995-1999   CNRI        yes
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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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license_type: Apache Software License
license_text:
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```
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This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt).  This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
```


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---

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___

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license_text:
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package_name: wrapt
license_type: BSD License
license_text:
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tensorflow-python

The TensorFlow Authors

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license_text:

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_____________________________________________________________________________
___
 tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"
        "flatbuffers" doesn't have any dependencies
    tensorflow needs "gast"
        "gast" doesn't have any dependencies
    tensorflow needs "google-pasta"
        "google-pasta" needs "six"
            "six" doesn't have any dependencies
    tensorflow needs "grpcio"
        "grpcio" doesn't have any dependencies
    tensorflow needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "keras"
        "keras" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "keras" needs "h5py"
            "h5py" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "ml-dtypes"
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "namex"
            "namex" doesn't have any dependencies
        "keras" needs "numpy"
```


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```
        "numpy" doesn't have any dependencies
    "keras" needs "optree"
        "optree" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "keras" needs "packaging"
        "packaging" doesn't have any dependencies
    "keras" needs "rich"
        "rich" needs "markdown-it-py"
            "markdown-it-py" needs "mdurl"
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
tensorflow needs "libclang"
    "libclang" doesn't have any dependencies
tensorflow needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "numpy"
    "numpy" doesn't have any dependencies
tensorflow needs "opt_einsum"
    "opt_einsum" doesn't have any dependencies
tensorflow needs "packaging"
    "packaging" doesn't have any dependencies
tensorflow needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
tensorflow needs "setuptools"
    "setuptools" doesn't have any dependencies
tensorflow needs "six"
    "six" doesn't have any dependencies
tensorflow needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
    "tensorboard" needs "numpy"
        "numpy" doesn't have any dependencies
    "tensorboard" needs "protobuf"
        "protobuf" doesn't have any dependencies
    "tensorboard" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "tensorboard" needs "six"
        "six" doesn't have any dependencies
    "tensorboard" needs "tensorboard-data-server"
        "tensorboard-data-server" doesn't have any dependencies
    "tensorboard" needs "Werkzeug"
        "Werkzeug" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
```


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```
    tensorflow needs "tensorflow-io-gcs-filesystem"
        "tensorflow-io-gcs-filesystem" doesn't have any dependencies
    tensorflow needs "termcolor"
        "termcolor" doesn't have any dependencies
    tensorflow needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

```
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license_type: Apache Software License
license_text:
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Name: SPLITMIX64

Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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Name: SFC64

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Name: PCG64

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PCG Random Number Generation for C.

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Name: MT19937

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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Components

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Name: numpy.core.ma

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license_type: Python Software Foundation License
license_text:
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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