

License Guide – On-Premise
Oracle Banking Origination
Release 14.6.0.0.0
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License Guide - On-Premise

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1. Preface

1.1 Introduction

This guide helps you understand the guiding rules for Oracle Banking Origination licensing, the components included in the license and the units that are separately licensed.

This guide also provides information on the third-party software that is packaged with Oracle Banking Origination.

1.2 Audience

This guide is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	Preface gives information on the intended audience. It also lists the various chapters covered in this license guide.
Chapter 2	<i>Oracle Banking Origination Licensing</i> provides information on Oracle Banking Virtual Origination licensing.
Chapter 3	<i>Software Pre-requisites</i> consists of the technology pre-requisites required for Oracle Banking Origination.
Chapter 4	<i>Third Party Licenses</i> provides information on licensing of third-party software that are packaged with Oracle Banking Origination.

1.5 Related Documents

For more information, refer to the following documents:

- Oracle Banking Origination User Manuals

2. Oracle Banking Origination Licensing

2.1 Introduction

This chapter provides information on Oracle Banking Origination licensing. It contains the following sections:

- General licensing rules
- Components included in license
- Separately licensed pre-requisite products and licensing metric
- Restricted use license

2.2 General Licensing Rules

Not applicable to Oracle Banking Origination.

2.3 Components Included in License

Not applicable to Oracle Banking Origination

2.4 Separately Licensed Pre-requisite Products and Licensing Metric

The module wise list of separately licensed products and the licensing metric is given below.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle Banking Origination for Accounts	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Retail Loans	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Deposits	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Credit Cards	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application

2.5 Restricted Use License

Not applicable to Oracle Banking Origination.

3. Software Prerequisites

3.1 Tech Stack – Oracle Banking Origination

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Origination	Single Instance Standalone	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0.0 + Patch 32077936**
				Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 321 & JDK 11.0.14
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Database 19c Enterprise Edition Release	19.14.0.0.0 (19c)
		Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-2.8.1
				Apache ZooKeeper	3.6.2
		Client Machines# For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at https://www.oracle.com/middleware/technologies/browser-policy.html		Mozilla Firefox	Mozilla Firefox Release (87+)
				Apple Safari	Apple Safari (14+)
				Google Chrome	Google Chrome Release (Version 88+)
				Microsoft Edge	Microsoft Edge (89+)

**** Patch 32077936:** JSF APPLICATION RESPONSE ISSUE FOR HTTPS PROTOCOL WHEN HTTP2 IS ENABLED, needs to be applied to Weblogic version 14.1.1.0.0.

NOTE: # Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter on which Operating Systems they are installed. Current release is certified on client workstations with Windows 10 and Mac OS.

4. Third-Party Licenses

4.1 Introduction

This chapter provides information on licensing of third-party software that are packaged with Oracle Banking Origination 14.6.0.0.0 product release. It contains the following sections:

- Apache License 2.0
- The MIT License
- Others

4.1.1 Apache License 2.0

The following libraries include software developed by The Apache Software Foundation (<http://www.apache.org/>).

For license information, See “Apache License 2.0”

- OpenNLP-tools 1.9.3
- flyway-core 6.5.5
- jackson-jaxrs-json-provider 2.11.2
- jjwt 0.11.2
- swagger-annotations 1.6.2
- modelmapper 2.3.8
- HikariCP 3.4.5
- spring-cloud-stream-binder-kafka 3.0.8.RELEASE
- Spring Boot 2.3.3.RELEASE
- spring-cloud-stream 3.0.8.RELEASE
- log4j-over-slf4j 1.7.30
- Apache FOP 2.5
- Spring Cloud Sleuth 2.2.5.RELEASE
- ZooKeeper 3.6.2
- JsonPath 2.4.0-1ed1ea0
- swagger-parser 2.0.22
- camel-core 3.5.0
- spring-cloud-config-client 2.2.5.RELEASE
- spring-cloud-config-server 2.2.5.RELEASE
- spring-cloud-starter-config 2.2.5.RELEASE
- spring-cloud-netflix-core 2.2.5.RELEASE
- spring-cloud-starter-netflix-zuul 2.2.5.RELEASE
- spring-cloud-netflix-eureka-client 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-client 2.2.5.RELEASE

- importlib-metadata 4.11.2
- camel-cxf 3.5.0
- camel-resilience4j 3.5.0
- spring-cloud-starter-netflix-eureka-server 2.2.5.RELEASE
- spring-cloud-netflix-eureka-server 2.2.5.RELEASE
- swagger-ui 3.39.0
- mapstruct 1.4.2.Final
- Tesseract 4.1.1
- micrometer-registry-prometheus 1.6.4
- PDFBox 2.0.24
- HttpComponents HttpClient 4.5.13
- cglib 3.3.0
- math.js 5.9.0
- Commons FileUpload 1.4
- jackson-dataformat-xml 2.13.1
- jslt 0.1.11
- netty-transport-native-epoll 4.1.72.Final
- netty-codec-http 4.1.72.Final
- jcl-over-slf4j 1.7.36
- pytesseract 0.3.9
- Avro for Java 1.11.0
- spring-security-oauth2 2.5.1
- tika-core 1.28.1
- spring-security-saml2-service-provider 5.5.1
- Conductor 3.5.2
- shedlock-provider-jdbc-template 4.30.0
- Guava 30.0
- Commons CSV 1.9.0
- velocity-engine-core 2.3
- velocity-tools-generic 3.1
- spring-security-config 5.5.1
- GSON 2.9.0
- connexion 2.12.0
- shedlock-spring 4.30.0
- POI 5.2.0
- Kafka 2.8.1
- spring-security-core 5.5.1
- Ant 1.10.12
- spring-security-web 5.5.1

- XMLBeans 5.0.3
- ant-launcher 1.10.12
- spring-security-ldap 5.5.1
- spring-security-crypto 5.5.1
- jackson-dataformat-cbor 2.13.1
- tess4j 4.5.4

4.1.2 The MIT License

The below library includes software developed by jsoup.org

- jul-to-slf4j 1.7.30
- Node-TimSort 0.3.0
- Knockout.js 3.5.0
- opencv-python 4.3.0.36
- JSON 20200518
- jQuery 3.5.1
- datefinder 0.7.1
- Pillow 9.0.1
- Lombok 1.18.16
- pyap 0.3.1
- lodash 4.17.21
- configparser 5.2.0
- python-magic 0.4.25
- pdf2image 1.16.0
- six 1.16.0
- jsoup 1.14.3
- bignumber.js 9.0.2
- Moment.js 2.29.2

4.1.3 Others

- Numpy 1.22.2
- Pandas 1.4.1
- dateparser 1.1.0
- scikit-learn 1.0.2
- Flask 2.0.3
- Xstream 1.4.18
- pybase64 1.2.1
- Jakarta Mail 2.0.1
- Saxon-HE 10.5
- EclipseLink 2.7.7
- python-dateutil 2.8.2
- JSZip 3.2.1
- Python 3.9.5
- JavaScript Extension Toolkit (JET) 9.1.0

4.2 **Apache License 2.0**

4.2.1 **OpenNLP-tools 1.9.3**

Top Level Component : opennlp-tools-1.9.3

Top Level Component License : Apache License 2.0

Apache License

Version 2.0, January 2004

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=====

Top Level Component Copyright :

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The Apache Software Foundation (<http://www.apache.org/>).

The snowball stemmers in `opennlp-tools/src/main/java/opennlp/tools/stemmer/snowball` were developed by Martin Porter and Richard Boulton.

The full snowball package is available from <http://snowball.tartarus.org/>

4.2.2 flyway-core 6.5.5

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4.2.3 **jackson-jaxrs-json-provider 2.11.2**

jackson-jaxrs-json-provider

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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, as well as supported commercially by FasterXML.com.

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JJWT :: Impl (io.jsonwebtoken:jjwt-impl);

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4.2.5 **swagger-annotations 1.6.2**

Top Level Component : swagger-annotations

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4.2.6 modelmapper 2.3.8

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Other developers who have contributed code are:

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4.2.9 Spring Boot 2.3.3.RELEASE

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4th Party Component #6 : asm

4th Party Component #7 : asm-analysis

4th Party Component #8 : asm-commons

4th Party Component #9 : asm-tree

4th Party Component #10 : asm-util

ASM: a very small and fast Java bytecode manipulation framework

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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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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility with Guava module

(2.6.0)

Jerome Loisel (jloisel@github)

* Reported #14: Missing `@type` when serializing Optional

(2.6.2)

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation

(2.6.4)

* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor

(2.6.4)

* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect`

(2.6.4)

James Lorenzen (jlorenzen@github)

* Requested #18: Allow use of `@JsonInclude(content=Include.NON\_EMPTY)` with `Optional<>`

(2.7.0)

=====

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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
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- 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

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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
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- 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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The following artifacts are EPL and ASL2.

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

The following artifacts are EPL and CDDL 1.0.

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

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

javax.servlet:javax.servlet-api

javax.annotation:javax.annotation-api

javax.transaction:javax.transaction-api

javax.websocket:javax.websocket-api

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.

java.sun.security.ssl

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<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons

org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-impl

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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
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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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4.2.10 spring-cloud-stream 3.0.8.RELEASE

Top Level Component : Spring-Cloud-Stream 3.0.8

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Other developers who have contributed code are:

* Brian Langel

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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility with Guava module (2.6.0)

Jerome Loisel (jloisel@github)

* Reported #14: Missing `@type` when serializing Optional (2.6.2)

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation (2.6.4)

* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor (2.6.4)

* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema (2.6.4)

Nick Cronin (Quintok@github)

* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect` (2.6.4)

James Lorenzen (jlorenzen@github)

* Requested #18: Allow use of `@JsonInclude(content=Include.NON\_EMPTY)` with `Optional<>` (2.7.0)

=====

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- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
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- javaee_web_services_1_4.xsd
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- web-app_3_1.xsd
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4.2.11 log4j-over-slf4j 1.7.30

Top Level Component : log4j-over-slf4j-1.7.30.jar

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4.2.12 **Apache FOP 2.5**

Top Level Component : xmlgraphics-fop 2.5

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4th Party Component #7: batik-css

4th Party Component #8: batik-dom

4th Party Component #9: batik-ext

4th Party Component #10: batik-extension

4th Party Component #11: batik-gvt

4th Party Component #12: batik-i18n

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Joseph Reagle

Last revised by Reagle \$Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) \$

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4.2.13 Spring Cloud Sleuth 2.2.5.RELEASE

Top Level Component : Spring-Cloud-Sleuth 2.2.5

Top Level Sub-Components:

1. spring-cloud-starter-sleuth-2.2.5.RELEASE.jar
2. spring-cloud-sleuth-core-2.2.5.RELEASE.jar
3. spring-cloud-sleuth-zipkin-2.2.5.RELEASE.jar
4. spring-cloud-starter-zipkin-2.2.5.RELEASE.jar

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4.2.14 ZooKeeper 3.6.2

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1. jetty-http.jar
2. jetty.jar
3. jetty-security.jar
4. jetty-server.jar
5. jetty-servlet.jar
6. jetty-util.jar

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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

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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4th Party Component #15 json-simple

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2. netty-codec.jar
3. netty-common.jar
4. netty-handler.jar
5. netty-resolver.jar
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4.2.15 JsonPath 2.4.0

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4.2.16 swagger-parser 2.0.22

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2. swagger-parser-core-2.0.22.jar
3. swagger-parser-v2-converter-2.0.22.jar
4. swagger-parser-v3-2.0.22.jar

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4.2.17 camel-core 3.5.0

Top Level Component : camel-core-3.5.0

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4.2.18 spring-cloud-config-client 2.2.5.RELEASE

Top Level Component : spring-cloud-config-client

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4.2.19 spring-cloud-config-server 2.2.5.RELEASE

Top Level Component : spring-cloud-config-server

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Other developers who have contributed code are:

* Brian Langel

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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility

with Guava module

(2.6.0)

Jerome Loisel (jloisel@github)

* Reported #14: Missing `@type` when serializing Optional

(2.6.2)

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation

(2.6.4)

* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor

(2.6.4)

* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect`

(2.6.4)

James Lorenzen (jlorenzen@github)

* Requested #18: Allow use of `@JsonInclude(content=Include.NON\_EMPTY)` with `Optional<>`

(2.7.0)

=====

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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
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- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- 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
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4.2.21 spring-cloud-netflix-core 2.2.5.RELEASE

Top Level Component : Spring-Cloud-Netflix-Core

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4th Party Component #1 aspectjweaver

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4.2.22 spring-cloud-starter-netflix-zuul 2.2.5.RELEASE

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Andy Clement initial implementation

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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility with Guava module

(2.6.0)

Jerome Loisel (jloisel@github)

* Reported #14: Missing `@type`` when serializing Optional

(2.6.2)

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with `@JsonUnwrapped` annotation

(2.6.4)

* Reported #25: `OptionalDoubleSerializer` does not override `acceptJsonFormatVisitor`

(2.6.4)

* Reported, contributed fix for #26: `@JsonUnwrapped`` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect``

(2.6.4)

James Lorenzen (jlorenzen@github)

* Requested #18: Allow use of `@JsonInclude(content=Include.NON_EMPTY)`` with `Optional<>``

(2.7.0)

=====

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- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.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
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4.2.23 spring-cloud-netflix-eureka-client 2.2.5.RELEASE

Top Level Component : spring-cloud-netflix-eureka-client

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4.2.24 spring-cloud-starter-netflix-eureka-client 2.2.5.RELEASE

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/**

This interface declares a simple filter interface that one can
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@version 1.0

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4th Party Component #98 stringtemplate

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\$Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp \$

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4.2.25 importlib-metadata 4.11.2

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4.2.26 camel-cxf 3.5.0

Top Level Component : camel-cxf-3.5.0

Top Level SubComponent/Modules:

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4.2.27 camel-resilience4j 3.5.0

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4.2.28 spring-cloud-starter-netflix-eureka-server 2.2.5.RELEASE

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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility with Guava module

(2.6.0)

Jerome Loisel (jloisel@github)

* Reported #14: Missing `@type` when serializing Optional

(2.6.2)

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation

(2.6.4)

* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor

(2.6.4)

* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect`

(2.6.4)

James Lorenzen (jlorenzen@github)

* Requested #18: Allow use of `@JsonInclude(content=Include.NON\_EMPTY)` with `Optional<>`

(2.7.0)

=====

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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
- 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:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

=====

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(<https://netty.io>, <https://github.com/netty/netty-tcnative/>)

and from finagle-native developed at Twitter

(<https://github.com/twitter/finagle>).

This software contains code derived from jgroups-kubernetes

developed by the JGroups project (<http://www.jgroups.org/>).

The Windows Installer is built with the Nullsoft

Scriptable Install System (NSIS), which is

open source software. The original software and

related information is available at

<http://nsis.sourceforge.net>.

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 are derivative work originating from the Netty project and the finagle-native project developed at Twitter

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For portions of the Tomcat cloud support

The org.apache.catalina.tribes.membership.cloud package contains derivative work originating from the jgroups project.

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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
- 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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Aleksander Slominski

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\$Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp \$

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4.2.29 spring-cloud-netflix-eureka-server 2.2.5.RELEASE

Top Level Component : Spring-Cloud-Netflix-Eureka-Server

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contains test data from <http://aspell.net/test/orig/batch0.tab>.

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Here are people who have contributed to the development of Jackson JSON processor JDK8 datatype component, version 2.x (version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility with Guava module (2.6.0)

Jerome Loisel (jloisel@github)

Reported #14: Missing `@type` when serializing Optional (2.6.2)

Peter Royal (osi@github)

Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation (2.6.4)

Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor (2.6.4)

Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema (2.6.4)

Nick Cronin (Quintok@github)

Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect (2.6.4)

James Lorenzen (jlorenzen@github)

Requested #18: Allow use of `@JsonInclude(content=Include.NON\_EMPTY)` with `Optional<>` (2.7.0)

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@version 1.0

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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
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4.2.30 swagger-ui 3.39.0

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4.2.31 **mapstruct 1.4.2.Final**

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4.2.32 Tesseract 4.1.1

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4.2.33 micrometer-registry-prometheus 1.6.4

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4.2.36 cglib 3.3.0

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4.2.37 math.js 5.9.0

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4.2.39 jackson-dataformat-xml 2.13.1

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4.2.40 jslt 0.1.11

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4.2.41 netty-transport-native-epoll 4.1.72.Final

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4.2.43 jcl-over-slf4j 1.7.36

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4.2.44 pytesseract 0.3.9

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4.2.45 Avro for Java 1.11.0

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4.2.46 spring-security-oauth2 2.5.1

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4.2.47 tika-core 1.28.1

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== Contributors ==

Tatu Saloranta

Providing benchmark suite

Alec Wysoker

Performance and memory usage improvement

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#### **4.2.53 velocity-engine-core 2.3**

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- velocity-engine-scripting/src/main/java/org/apache/velocity/script/VelocityScriptEngine.java

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#### 4.2.55 spring-security-config 5.5.1

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#### **4.2.57 connexion 2.12.0**

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5P dependency Name3: idna

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5P dependency Name4: urllib3

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4P dependency Name8: werkzeug

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4P dependency Name9: chardet

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That's all there is to it!

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4P dependency Name10: Jinja2

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4P dependency Name11: MarkupSafe

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4P dependency Name13: six

4P dependency license:

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## 4.2.58 shedlock-spring 4.30.0

Top Level Component : shedlock-spring

Top Level Component License : Apache License

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[1] <http://www.ecma-international.org/publications/standards/Ecma-376.htm>

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[3] <http://www.microsoft.com/openspecifications/en/us/programs/osp/default.aspx>

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Bouncy Castle library (bcprov-\*.jar, bcpkg-\*.jar, bcpkix-\*.jar)

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CurvesAPI Curve API

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Log4j 2 library (log4j-api-\*.jar)

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#### **4.2.60 Kafka 2.8.1**

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Tatu Saloranta (tatu.saloranta@iki.fi): author

Henning Schmiedehausen (hgschmie@github)

\* Reported #11: Add `configureAbsentsAsNulls` config setting, for better compatibility  
with Guava module

(2.6.0)

Jerome Loisel (jloisel@github)

\* Reported #14: Missing `@type`` when serializing Optional

(2.6.2)

Peter Royal (osi@github)

\* Reported #20: fails to serialize empty Optional with `@JsonUnwrapped` annotation

(2.6.4)

\* Reported #25: `OptionalDoubleSerializer` does not override `acceptJsonFormatVisitor`

(2.6.4)

\* Reported, contributed fix for #26: `@JsonUnwrapped`` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

\* Reported #21: Manifest file missing OSGi import for `com.fasterxml.jackson.databind.introspect``

(2.6.4)

James Lorenzen (jlorenzen@github)

\* Requested #18: Allow use of `@JsonInclude(content=Include.NON_EMPTY)`` with `Optional<>``

(2.7.0)

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Tatu Saloranta

Providing benchmark suite

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2000-05-05

#### **4.2.66 spring-security-ldap 5.5.1**

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#### **4.2.67 spring-security-crypto 5.5.1**

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#### **4.3.18 Moment.js 2.29.2**

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### 4.4.1 Numpy 1.22.2

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Name: dragon4

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pytz

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six

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4P dependency Name2: pytz

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Top level Component: scikit-learn

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Files: scipy/\_lib/uarray

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Name: ampgo

Files: benchmarks/benchmarks/go\_benchmark\_functions/\*.py

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Functions for testing global optimizers, forked from the AMPGO project,

<https://code.google.com/archive/p/ampgo>

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Files: scipy/\_lib/boost

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4P dependency Name4: threadpoolctl

4P dependency License:  
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Top Level Component: Flask

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2001-12-12

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#### 4.4.12 JSZip 3.2.1

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4th party dependencies (as mentioned in <https://github.com/Stuk/jszip/blob/master/package.json>)

Pako 1.0.2

<https://github.com/nodeca/pako/blob/master/LICENSE>

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lie 3.3.0

<https://github.com/calvinmetcalf/lie/releases/tag/v3.3.0>

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readable-stream 2.3.6

<https://github.com/nodejs/readable-stream/releases/tag/v2.3.6>

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set-immediate-shim 1.0.1

<https://github.com/sindresorhus/set-immediate-shim/releases/tag/v1.0.1>

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Module Name: immediate

Version: 3.0.6

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core-util-is@1.0.2

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inherits@2.0.4



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isarray@1.0.0

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process-nextick-args@2.0.1

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safe-buffer@5.1.2

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string\_decoder@1.1.1

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util-deprecate@1.0.2

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the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.

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Sockets

-----

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE

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Asynchronous socket services

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#### UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.

- Arguments more compliant with Python standard XML Remote Procedure Calls

-----

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test\_epoll

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Select kqueue

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SipHash24

-----

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto\_auth/siphhash24/little)

djb (supercop/crypto\_auth/siphhash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa

-----

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing

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expat

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libffi

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zlib

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The :mod:`zlib` extension is built using an included copy of the zlib

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jloup@gzip.org madler@alumni.caltech.edu

cfuhash

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The implementation of the hash table used by the :mod:`tracemalloc` is based

on the cfuhash project::



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libmpdec

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W3C C14N test suite

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The C14N 2.0 test suite in the :mod:`test` package (``Lib/test/xmltestdata/c14n-20/``) was retrieved from the W3C website at <https://www.w3.org/TR/xml-c14n2-testcases/> and is distributed under the

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Lib/turtle.py

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Lib/logging/\_\_init\_\_.py

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Lib/multiprocessing/\_\_init\_\_.py

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Lib/tarfile.py

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Modules/\_localemodule.c

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Python/getopt.c

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Tools/pynche/X/xlicense.txt

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install-sh

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Python/dynamic\_annotations.c

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Modules/\_blake2

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BLAKE2 reference source code package - optimized C implementations

Written in 2012 by Samuel Neves

Written in 2013 by Dmitry Chestnykh

Modified for CPython by Christian Heimes

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<https://github.com/yelouafi/petit-dom>

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This component is based on original code from: jsTree 1.0-rc3 <http://jstree.com/>

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<http://jqueryui.com>

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jQuery JavaScript Library v3.5.1

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