

License Guide – On-Premise
Oracle Banking Liquidity Management
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License Guide – On-Premise

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Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

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1. Preface

1.1 Introduction

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

This document also provides information on the third party software packaged along with Oracle Banking Liquidity Management.

1.2 Audience

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

1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle Banking Liquidity Management User Manuals

2. Oracle Banking Liquidity Management Licensing

2.1 Introduction

This chapter provides information on Oracle Banking Liquidity Management 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 Liquidity Management.

2.3 Components Included in License

Not applicable to Oracle Banking Liquidity Management

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.

For other separately licensable software pre-requisites, refer to the section Software Pre-requisites.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle Banking Liquidity Management	Not Applicable	Liquidity Account

2.5 Restricted Use License

Not applicable to Oracle Banking Liquidity Management.

3. Environment Details

3.1 Tech Stack – OBLM

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Liquidity Management	Single Instance Standalone	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
				Oracle Fusion Middleware 12c Infrastructure	12.2.1.4.0
				Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 281
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit))	Oracle Database 19c Enterprise Edition Release	19.10.0.0.0
		Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-2.6.0
				Apache ZooKeeper	3.6.2
		Reporting Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
				Oracle Fusion Middleware 12c Infrastructure	12.2.1.4.0
				JDK	Oracle JDK 8 Update 281
				Oracle Database (for RCU)	19.10.0.0.0
				Oracle Repository Creation Utility (RCU)	12.2.1.4.0
		Oracle Analytics Server	5.9.0		
		Client Machines#		Mozilla Firefox	Mozilla Firefox 1 Release (79+)
				Google Chrome	Release (Version 88.0.4324.146)
				Microsoft Edge	Microsoft Edge (79+)
				Safari	Apple Safari (12.*,11.*)

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 Liquidity Management 14.5.0.0.0 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”

- Commons FileUpload 1.4
- math.js 5.9.0
- cglib 3.3.0
- python-dateutil 2.8.1
- PDFBox 2.0.18
- POI 4.1.2
- Velocity Engine 2.2
- Guava 29.0
- Apache FOP 2.5
- HikariCP 3.4.5
- modelmapper 2.3.8
- JsonPath 2.4.0-1ed1ea0
- jslt 0.1.9
- jjwt 0.11.2
- swagger-annotations 1.6.2
- importlib-metadata 1.7.0
- Avro 1.10.0
- pytesseract 0.3.4
- Kafka 2.6.0
- Spring Boot 2.3.3.RELEASE
- connexion 2.7.0
- jackson-jaxrs-json-provider 2.11.2
- Spring Security 5.3.4.RELEASE

- spring-cloud-stream 3.0.8.RELEASE
- spring-cloud-stream-binder-kafka 3.0.8.RELEASE
- flyway-core 6.5.5
- log4j-over-slf4j 1.7.30
- OpenNLP-tools 1.9.3
- Spring-Security-Oauth 2.5.0.RELEASE
- jackson-dataformat-xml 2.11.2
- Commons IO 2.8.0
- netty-codec-http 4.1.52.Final
- netty-transport-native-epoll 4.1.52.Final
- Spring Cloud Sleuth 2.2.5.RELEASE
- ZooKeeper 3.6.2
- swagger-parser 2.0.22
- jackson-dataformat-cbor 2.11.2
- 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-eureka-server 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-client 2.2.5.RELEASE
- spring-cloud-starter-netflix-zuul 2.2.5.RELEASE
- spring-cloud-netflix-eureka-client 2.2.5.RELEASE
- camel-cxf 3.5.0
- camel-resilience4j 3.5.0
- Conductor 2.30.1
- spring-cloud-netflix-eureka-server 2.2.5.RELEASE
- tika-core 1.25
- velocity-tools-generic 3.0-422ed61
- Tesseract 4.1.1
- swagger-ui 3.39.0
- mapstruct 1.4.2.Final
- micrometer-registry-prometheus 1.6.4
- tess4j 4.5.4

4.1.2 MIT License

The below library includes software developed by jsoup.org

- Node-TimSort 0.3.0
- Moment.js 2.24.0
- Knockout.js 3.5.0
- Simple Logging Facade for Java (SLF4J) 1.7.30
- jsoup 1.13.1
- jQuery 3.5.1
- lodash 4.17.20
- opencv-python 4.3.0.36
- Configparser 5.0.0
- datefinder 0.7.1
- pdf2image 1.14.0
- python-magic 0.4.18
- pyap 0.3.1

4.1.3 Others

- pybase64 1.0.1
- Flask 1.1.2
- dateparser 0.7.6
- Jakarta Mail 1.6.5
- EclipseLink 2.7.7
- XStream 1.4.14
- JavaScript Extension Toolkit (JET) 9.1.0
- JSZip 3.2.1
- py4j 0.10.9
- six 1.15.0
- NumPy 1.19.0
- JSON 20200518
- Python Imaging Library (Pillow) 7.2.0
- Lombok 1.18.16
- Python 3.8.6
- scikit-image 0.17.2
- SciPy 1.5.3

4.2 **Apache License 2.0**

4.2.1 **Commons FileUpload 1.4**

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4.2.2 math.js 5.9.0

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4.2.3 cglib 3.3.0

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listenablefuture, v9999.0-empty-to-avoid-conflict-with-guava, Apache 2.0

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Top Level Component : xmlgraphics-fop 2.5

Apache FOP

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4th Party Component #11: batik-gvt
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4th Party Component #13: batik-parser
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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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4.2.11 modelmapper 2.3.8

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4.2.13 jslt 0.1.9

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4.2.14 jjwt 0.11.2

Top Level Components and subcomponents:

JJWT :: API (io.jsonwebtoken:jjwt-api) ;

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

JJWT :: Extensions :: Jackson (io.jsonwebtoken:jjwt-jackson) ;

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Jackson-core (com.fasterxml.jackson.core;jackson-core)

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4.2.15 swagger-annotations 1.6.2

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4.2.16 importlib-metadata 1.7.0

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4.2.17 Avro 1.10.0

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4.2.18 pytesseract 0.3.4

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CONTRIBUTORS

Originally written by Samuel Hoffstaetter

Juarez Bochi

Matthias Lee

Lars Kistner

Ryan Mitchell

Emilio Cecchini

John Hagen

Darius Morawiec

Eddie Bedada

=====

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FreeType font driver for BDF fonts

Francesco Zappa Nardelli

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* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50

*

* taken from Mark Leisher's xmbdfed package

zlib.h -- interface of the 'zlib' general purpose compression library

version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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CONTRIBUTORS

Originally written by Samuel Hoffstaetter

Juarez Bochi

Matthias Lee

Lars Kistner

Ryan Mitchell

Emilio Cecchini

John Hagen

Darius Morawiec

Eddie Bedada

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4.2.19 Kafka 2.6.0

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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 Schiedehausen (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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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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4th Party Component #11 aspectjweaver

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Source Code

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* <https://github.com/eclipse-ee4j/glassfish-ha-api>

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- * <https://github.com/eclipse-ee4j/glassfish-shoal>
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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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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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`org.apache.tomcat.util.json.JSONParser.jj` is a public domain javacc grammar for JSON written by Robert Fischer.

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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:

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

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- 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

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4th Party Component #145 websocket-client

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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

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

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

Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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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4.2.21 connexion 2.7.0

Connexion

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Requests

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4.2.22 jackson-jaxrs-json-provider 2.11.2

jackson-jaxrs-json-provider

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4.2.23 Spring Security 5.3.4.RELEASE

TOP LEVEL COMPONENT: spring-security-5.3.4.RELEASE.jar

TOP LEVEL SUBCOMPONENTS

spring-security-core-5.3.4.RELEASE.jar

spring-security-ldap-5.3.4.RELEASE.jar

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4.2.24 spring-cloud-stream 3.0.8.RELEASE

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Other developers who have contributed code are:

* Brian Langel

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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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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- web-common_3_0.xsd
- web-fragment_3_0.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
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- web-app_3_1.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- jsp_2_3.xsd
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4.2.25 spring-cloud-stream-binder-kafka 3.0.8.RELEASE

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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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Jackson JSON processor

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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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4.2.27 log4j-over-slf4j 1.7.30

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4.2.28 OpenNLP-tools 1.9.3

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4.2.32 netty-codec-http 4.1.52.Final

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4.2.33 netty-transport-native-epoll 4.1.52.Final

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4.2.34 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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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.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
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>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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4th Party Component #14: jline

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2. netty-codec.jar
3. netty-common.jar
4. netty-handler.jar
5. netty-resolver.jar
6. netty-transport.jar
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4.2.36 swagger-parser 2.0.22

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-----
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3. swagger-parser-v2-converter-2.0.22.jar
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Davide D'Alto

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4.2.37 jackson-dataformat-cbor 2.11.2

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4.2.38 camel-core 3.5.0

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4.2.39 spring-cloud-config-client 2.2.5.RELEASE

Top Level Component : spring-cloud-config-client

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4.2.40 spring-cloud-config-server 2.2.5.RELEASE

Top Level Component : spring-cloud-config-server

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```

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*/
```

```
# Jackson JSON processor
```

```
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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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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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4.2.42 spring-cloud-netflix-core 2.2.5.RELEASE

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

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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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"# 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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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:

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

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

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* Created on 13. April 2006 by Joerg Schaible

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

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The primary ANTLR guy:

Terence Parr

parrt@cs.usfca.edu

parrt@antlr.org

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Other developers who have contributed code are:

Brian Langel

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* create to filter XMLEventReaders  
* @version 1.0  
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
```

*/

=====

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

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

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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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`org.apache.tomcat.util.json.JSONParser.jj` is a public domain javacc grammar for JSON written by Robert Fischer.

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- 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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- 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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4.2.46 spring-cloud-netflix-eureka-client 2.2.5.RELEASE

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

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4th Party Component #1 aspectjweaver

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4.2.47 camel-cxf 3.5.0

Top Level Component : camel-cxf-3.5.0

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4.2.48 camel-resilience4j 3.5.0

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Other developers who have contributed code are:

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The snowball stemmers in

`analysis/common/src/java/net/sf/snowball`

were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in

analysis/common/src/resources/org/apache/lucene/analysis/snowball

were developed by Martin Porter and Richard Boulton.

The full snowball package is available from

<http://snowball.tartarus.org/>

The KStem stemmer in

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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,

analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers

(common) are based on BSD-licensed reference implementations created by Jacques Savoy and

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analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java

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

analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java

`analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`

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

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

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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 Schriedehausen (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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/* Stax2 API extension for Streaming API for XML processing (StAX).  
*  
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*/
```

```
=====
```

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```
/**  
* This interface declares a simple filter interface that one can  
* create to filter XMLEventReaders  
* @version 1.0  
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.  
*/
```


=====
=====
4th Party Component #93 stringtemplate

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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
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- `javaee_web_services_1_3.xsd`

- javaee_web_services_client_1_3.xsd
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- 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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- javaee_8.xsd
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- web-common_4_0.xsd
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* \$Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp \$

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*/

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4.2.51 tika-core 1.25

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4.2.53 Tesseract 4.1.1

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4.2.54 swagger-ui 3.39.0

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4.2.55 mapstruct 1.4.2.Final

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Andreas Gudian - <https://github.com/agudian>

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4.2.56 micrometer-registry-prometheus 1.6.4

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4.3.4 Simple Logging Facade for Java (SLF4J) 1.7.30

jcl-over-slf4j

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slf4j-api

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4.3.6 **iQuery 3.5.1**

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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4.3.10 datefinder 0.7.1

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4.3.12 python-magic 0.4.18

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4.3.13 pyap 0.3.1

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4.4 Others

4.4.1 pybase64 1.0.1

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2001-12-12

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 /*
 * expression-eval - v2.0.0

* <https://github.com/donmccurdy/expression-eval>

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* <https://github.com/soney/jsep>

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/*!

Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

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

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* <https://github.com/guybedford/require-css>

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/*! Hammer.JS - v2.0.8 - 2016-04-22

* http://hammerjs.github.io/
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/* This component is based on original code from:

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```

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* Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js
* Copyright 2015 jQuery Foundation and other contributors; Licensed MIT */
/*!
* jQuery JavaScript Library v3.5.1
* http://jquery.com/
*
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* Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)
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```

*/

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*/

/*!

* Knockout JavaScript library v3.5.1

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===== Proj4js =====

Mike Adair madairATdmsolutions.ca

Richard Greenwood richATgreenwoodmap.com

Didier Richard didier.richardATign.fr

Stephen Irons stephen.ironsATclear.net.nz

Olivier Terral oterralATgmail.com

Calvin Metcalf cmetcalfATappgeo.com

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

Pako 1.0.2

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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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4.4.9 py4j 0.10.9

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4.4.10 six 1.15.0

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4.4.11 NumPy 1.19.0

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4.4.12 JSON 20200518

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4.4.13 Python Imaging Library (Pillow) 7.2.0

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Glenn Randers-Pehrson

glennrp at users.sourceforge.net

July 15, 2018

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zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.11, January 15th, 2017

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/******

*

* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50

*

* taken from Mark Leisher's xmbdfed package

*

*/

#####

--- src/gzip/zlib.h ---

/* zlib.h -- interface of the 'zlib' general purpose compression library

version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

*/

--- end of src/gzip/zlib.h ---

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4.4.14 Lombok 1.18.16

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Mersenne Twister

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are 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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email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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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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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/siphash24/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 notice::

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

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4.4.16 scikit-image 0.17.2

Top Level Component : scikit-image 0.17.2

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skimage/_shared/version_requirements.py:_check_version

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Name: Decorator

Files: scipy/_lib/decorator.py

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Name: ID

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Name: L-BFGS-B

Files: scipy/optimize/lbfgsb/*

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Name: SuperLU

Files: scipy/sparse/linalg/dsolve/SuperLU/*

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Name: ARPACK

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Name: Qhull

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C.B. Barber

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Name: Faddeeva

Files: scipy/special/Faddeeva.*

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Name: qd

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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>

Name: pybind11

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