

License Guide  
Oracle Banking Payments  
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# 1. Preface

## 1.1 Introduction

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

This document also provides information on the third party software that are packaged with Oracle Banking Payments.

## 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 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle Banking Payments User Manuals

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## 2. Oracle Banking Payments Licensing

### 2.1 Introduction

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

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

### 2.2 General Licensing Rules

Not applicable to Oracle Banking Payments.

### 2.3 Components Included in License

The following component is included in any of Oracle Banking Payments licensed module as listed in section 2.4:

**\* Oracle Banking Payments Base**

This includes the subcomponents as listed below:

- Core Maintenances
- Payments related maintenances
- Exception Queues
- Pricing & Common Services

### 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)
Banking Payments Domestic Low Value Payments	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments Domestic High Value Payments	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions

Banking Payments Cross Border	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments Book Transfers	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments Direct Debit Collections	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments Faster Payments	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments Bulk File Handling	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Banking Payments RTP Messaging Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments Faster Payments	10K Messages
Banking Payments RTP Messaging Pack 2	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments Faster Payments	10K Messages
Banking Payments RTP Connectivity Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments RTP Messaging Pack 1	10K Messages
Banking Payments RTP Connectivity Pack 2	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments RTP Messaging Pack 2	10K Messages
Banking Payments ACH Messaging Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments Low Value Payments	10K Messages

Banking Payments ACH Messaging Pack 2	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench and either Banking Payments Domestic Low Value or Banking Payments Direct Debit Collections	10K Messages
Banking Payments Cross Border Payments Connectivity Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Messages
Banking Payments SWIFTNet FileAct	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	1 Gigabyte
Banking Payments RTGS Messaging Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments High Value Payments	10K Messages
Banking Payments RTGS Messaging Pack 2	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments High Value Payments	10K Messages
Banking Payments RTGS Connectivity Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments RTGS Messaging Pack 1	10K Messages
Banking Payments Cross Border Payments Messaging Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Oracle Banking Payments Cross Border Payments	10K Messages
Banking Payments ACH Connectivity Pack 1	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench, Banking Payments ACH Messaging Pack 1 or Banking Payments RTGS Messaging Pack 1	10K Messages

Oracle Banking Payments Instruments – Clearing	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Oracle Banking Payments Instruments – Demand Draft & Banker’s Cheque	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Oracle Banking Payments Instruments – Positive Pay	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	10K Transactions
Oracle Banking Payments for Enterprise	Oracle Database Enterprise Edition, Partitioning and Oracle FLEXCUBE Development Workbench	1 Million Transactions

## 2.5 10K Messages – License Metric Definition

For Banking Payments Cross Border Payments Messaging Pack 1, Banking Payments ACH Messaging Pack 1, Banking Payments ACH Messaging Pack 2, Banking Payments RTP Messaging Pack 1, Banking Payments RTGS Messaging Pack 1, Banking Payments RTGS Messaging Pack 2 SKUs

**Banking Payments Cross Border Payments Messaging Pack 1 - 10K Messages:** is defined as ten thousand messages exchanged over a 12 month period. For the purposes of Oracle Banking Payments Cross Border Payments Messaging Pack 1 Program, the number of messages shall be equal to sum of –

- SWIFT MT FIN messages sent or received from SWIFT
- SWIFT GPI Messages sent and/or received from SWIFT
- Domestic high value Networks based on SWIFT FIN Y Copy Messaging Standards

**Banking Payments ACH Messaging Pack 1 – 10K Messages:** is defined as ten thousand messages exchanged over a 12-month period. For the purposes of Oracle Banking Payments ACH Messaging Pack 1 Program, the number of messages shall be equal to sum of –

- India NEFT messages bulked and/or de-bulked for files that are sent and/or received from India NEFT network.
- India NACH messages bulked and/or de-bulked for files that are sent and/or received from India NACH network.
- China BEPS messages sent or received from CNAPS BEPS systems. The messages types includes but not limited to customer credit transfer, enquiry, Request for Debit, Status & response messages



- Network agnostic ISO20022 ACH messages bulked and/or de-bulked for files that are sent and/or received from ACH networks adhering to ISO20022 messaging standards

**Banking Payments ACH Messaging Pack 2 - 10K Messages:** is defined as ten thousand messages exchanged over a 12-month period. For the purposes of Oracle Banking Payments ACH Messaging Pack 2 Program, number of messages shall be equal to sum of –

- SEPA Credit Transfer messages bulked and/or de-bulked for files that are sent and/or received from a SEPA network
- SEPA Direct Debits messages bulked and/or de-bulked for files that are sent and/or received from a SEPA network
- US ACH payment messages bulked and/or de-bulked for files that are sent and/or received from the US ACH payment network.

**Banking Payments RTP Messaging Pack 1 - 10K Messages:** is defined as ten thousand messages exchanged over a 12-month period. For the purposes of Oracle Banking Payments RTP Messaging Pack 1 Program, number of messages shall be equal to sum of –

- Incoming messages received and/or outgoing messages generated by SEPA Instant Credit Transfer. This includes, but is not limited to, payment messages, recall requests, payment status reports, recall response, payment return, inquiry and response messages and statement messages.
- Incoming messages received and/or outgoing messages generated by US RTP program. This includes, but is not limited to, payment messages, recall requests, recall response, payment return, inquiry and response messages

**Banking Payments RTP Messaging Pack 2 - 10K Messages:** is defined as ten thousand messages exchanged over a 12-month period. For the purposes of Oracle Banking Payments RTP Messaging Pack 1 Program, number of messages shall be equal to sum of –

- Incoming messages received and/or outgoing messages generated under the India IMPS Transfers. This includes, but is not limited to, payment messages, recall requests, payment status reports, recall response, payment return, inquiry and response messages and statement messages.
- Incoming messages received and/or outgoing messages generated under the India UPI program. This includes, but is not limited to, payment messages, recall requests, recall response, payment return, inquiry and response messages
- Incoming messages received and/or outgoing messages generated under the HK FPS program. This includes, but is not limited to, payment messages, recall requests, recall response, payment return, inquiry and response messages

**Oracle Banking Payments RTGS Messaging Pack 1 – 10K Messages:** is defined as ten thousand messages exchanged over a 12-month period. For the purposes of Oracle Banking Payments RTGS Messaging Pack 1 program, the number of messages shall be equal to sum of –

- India RTGS Payments Messages that are sent and/or received from India RTGS Payment Network.

- CNAPS HVPS Payments Messages that are sent and/or received from CNAPS HVPS Payment Network. The messages types includes but not limited to customer credit transfer, Bank Transfer, Enquiry, Status & response messages

**Oracle Banking Payments RTGS Messaging Pack 2** - 10K Messages: is defined as ten thousand messages exchanged over a 12 month period. For the purposes of Oracle Banking Payments RTGS Messaging Pack 2 program, the number of messages shall be equal to sum of –

- US Fedwire Payment Messages that are sent and/or received from US Fedwire Payment Network.
- US CHIPS Payment Messages that are sent and/or received from US CHIPS Payment Network.

## 2.6 Network Support

Oracle Banking Payments ACH Messaging Pack 1	Network Support – India NEFT, India NACH , China – BEPS , Generic ACH Networks
Oracle Banking Payments ACH Messaging Pack 2	Network Support – EU SCT, EU SDD,US ACH
Oracle Banking Payments RTGS Messaging Pack 1	Network Support – India RTGS, China- HVPS
Oracle Banking Payments RTGS Messaging Pack 2	Network Support – US Fedwire , US CHIPS
Oracle Banking Payments RTP Messaging Pack 1	Network Support – SEPA Instant, US RTP
Oracle Banking Payments RTP Messaging Pack 2	Network Support – India IMPS , India UPI , Hong Kong FPS
Oracle Banking Payments Cross Border Payments Messaging Pack 1	Network Support – SWIFT FIN MT Messaging, SWIFT GPI Messaging, Domestic High Value Payments based on SWIFT FIN Y Copy Messaging standards

## 2.7 Restricted Use License

Not applicable to Oracle Banking Payments

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## 3. Environment Details

### 3.1 Tech Stack

Please refer the Release Notes for Tech Stack Details.

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## 4. Software Prerequisites

The following are the separately licensable software prerequisites for Oracle Banking Payments Products:

### \* 4.1 Software Pre-requisites

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.4.0	Oracle Banking Payments and Oracle Banking Payments Gateway supports WebLogic.
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 8 Update 241	Standard Requirement
Quartz Job Scheduler	2.3.2	Standard Requirement
Oracle Toplink	12.2.1.4.0	Standard Requirement
Oracle Platform Security Services	12.2.1.4.0	Standard Requirement
Oracle Database 18c Enterprise Edition Release	19.6.0.0.0	Standard Requirement With Partitioning option.
Oracle SOA suite	12.2.1.4.0	Optional- Required if Single Sign On is required. Refer release notes for dependent software.
Oracle WebLogic Server	12.2.1.4.0	Optional- Required if Single Sign On is required. Refer release notes environment details section for dependent software.
Oracle Java Runtime Environment	JRE 8.0.241	Optional- Required if Single Sign On is required. Refer release notes environment details section for dependent software.
Oracle Identity Management (OID)	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer release notes environment details section for dependent software (Single Sign On Server).

Oracle Identity And Access Management	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer release notes environment details section for dependent software (Single Sign On Server).
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## 5. Third Party Licenses

### 5.1 Introduction

This chapter provides information on licensing of third party software that is packaged with this product. It contains the following sections:

- Apache License 2.0
- MIT License
- EDL 1.0
- Others
- Third Party Libraries

### 5.2 Apache License 2.0

#### Apache Avro 1.9.1

<pre>Top Level Component : Avro

Top Level Component License : Apache 2.0

Apache License

Version 2.0, January 2004

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Fourth Party Dependency #1 License : Apache 2.0

Fourth Party Dependency #1 Copyright :

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta ([tatu.saloranta@iki.fi](mailto: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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For more information, including possible other licensing options, contact

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#### ## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses."

-----

Fourth Party Dependency # 2: jackson-databind

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Top Level Component: Kafka

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Fourth Party Dependency # 4: connect-api

Fourth Party Dependency # 5: connect-basic-auth-extension

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Fourth Party Dependency # 8: connect-runtime

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# Jackson JSON processor

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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)

---

Fourth Party Dependency # 16: jackson-jaxrs-base

Fourth Party Dependency # 17: jackson-jaxrs-json-provider

Fourth Party Dependency # 18: jackson-module-jaxb-annotations

Fourth Party Dependency # 19: jackson-module-paranamer

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Fourth Party Dependency # 27: jersey-common

Fourth Party Dependency # 28: jersey-container-servlet

Fourth Party Dependency # 29: jersey-container-servlet-core

Fourth Party Dependency # 30: jersey-hk2

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Fourth Party Dependency # 33: jetty-client

Fourth Party Dependency # 34: jetty-continuation

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Fourth Party Dependency # 36: jetty-io

Fourth Party Dependency # 37: jetty-security

Fourth Party Dependency # 38: jetty-server

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Assorted

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Fourth Party Dependency # 45: kafka-log4j-appender

Fourth Party Dependency # 46: kafka-streams

Fourth Party Dependency # 47: kafka-streams-examples

Fourth Party Dependency # 48: kafka-streams-scala\_2.12

Fourth Party Dependency # 49: kafka-streams-test-utils

Fourth Party Dependency # 50: kafka-tools

Fourth Party Dependency # 51: kafka\_2.12-2.3.1-javadoc

Fourth Party Dependency # 52: kafka\_2.12-2.3.1-scaladoc

Fourth Party Dependency # 53: kafka\_2.12-2.3.1-sources

Fourth Party Dependency # 54: kafka\_2.12-2.3.1-test-sources

Fourth Party Dependency # 55: kafka\_2.12-2.3.1-test

Fourth Party Dependency # 56: kafka\_2.12

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License: (GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0)

Project: <https://wiki.openjdk.java.net/display/CodeTools/JT+Harness>

Source: <http://hg.openjdk.java.net/code-tools/jtharness/>

normalize.css (3.0.2)

License: MIT

SigTest (n/a)

License: GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0

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Apache log4j

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bouncycastle v1.61 (optional)

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slf4j, v1.7.26,

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tomcat-apr, v5.5.23 (optional)

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The following artifacts are EPL.

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

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

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<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

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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>

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OW2

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org.ow2.asm:asm-commons

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org.apache.taglibs:taglibs-standard-spec

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org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
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org.apache.tomcat:tomcat-util

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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

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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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Args = --initialize-at-run-

time=io.netty.buffer.PooledByteBufAllocator,io.netty.buffer.ByteBufAllocator,io.netty.buffer.ByteBu  
fUtil,io.netty.buffer.AbstractReferenceCountedByteBuf

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The files

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

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```
<pre>Top Level Component Name: Jackson Data Format XML
```

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Here are people who have contributed to development of this project  
(version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta, tatu.saloranta@iki.fi: author



Clinton Gormley (clintongormley@github)

\* Suggested [#5]: Support binary (byte[]) Object keys (assuming UTF-8 encoding)

(2.4.3)

\* Suggested [#6]: Support 'self-describe' CBOR tag

(2.4.3)

mbaril@github)

\* Reported #9, suggested fix, contributed unit test: Infinite loop when trying  
to write binary data using CBORGenerator

(2.5.1)

Steve Gury (stevegury@github)

\* Reported #13, suggested fix: Bug in boundary checking in the CBORParser

(2.6.2)

Adrien Grand (jpountz@github)

\* Reported #15: CBORParser.getNumberType returns DOUBLE even if the generator  
has been fed with a float

(2.6.5)

philipa@githubL

\* Requested #20: Add a public `finishToken()`

(2.7.2)

\* Requested #22: CBORGenerator.copyCurrentStructure() and copyCurrentEvent() do not copy tags

(2.7.2)

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### **jackson-jaxrs-json-provider 2.10.1**

<pre>Top Level Component: jackson-jaxrs-json-provider

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guava-testlib

guava-tests

guava

refactorings

util

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Compile time Dependencies:

com.google.code.findbugs » jsr305 3.0.2

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accessors-smart-1.1.jar,aggs-matrix-stats-client-7.5.2.jar,annotations-2.0.1.jar,antlr-2.7.7.jar,antlr-runtime-3.4.jar,aopalliance-1.0.jar,archaius2-api-2.1.10.jar,archaius2-core-2.1.10.jar,archaius2-guice-2.1.10.jar,archaius-core-0.7.6.jar,asm-5.0.3.jar,asm-analysis-5.0.3.jar,asm-commons-5.0.3.jar,asm-tree-5.0.3.jar,asm-util-5.0.3.jar,aws-java-sdk-core-1.11.719.jar,aws-java-sdk-kms-1.11.86.jar,aws-java-sdk-s3-1.11.86.jar,aws-java-sdk-sqs-1.11.719.jar,cassandra-driver-core-3.6.0.jar,checker-qual-2.10.0.jar,classmate-1.3.4.jar,commons-codec-1.11.jar,commons-configuration-1.8.jar,commons-io-2.4.jar,commons-jxpath-1.3.jar,commons-lang-2.6.jar,commons-lang3-3.6.jar,commons-logging-1.2.jar,commons-math-2.2.jar,commons-pool2-2.4.2.jar,compactmap-1.2.1.jar,compiler-0.9.6.jar,completable-futures-0.3.1.jar,conductor-cassandra-persistence-v2.24.2.jar,conductor-common-v2.24.2.jar,conductor-contribs-v2.24.2.jar,conductor-core-v2.24.2.jar,conductor-es5-persistence-v2.24.2.jar,conductor-grpc-server-v2.24.2.jar,conductor-grpc-v2.24.2.jar,conductor-jersey-v2.24.2.jar,conductor-mysql-persistence-v2.24.2.jar,conductor-oracle-persistence-v2.24.2.jar,conductor-redis-persistence-v2.24.2.jar,consul-api-1.2.1.jar,dexx-collections-0.2.jar,dyno-contrib-1.6.5-rc.4.jar,dyno-core-1.6.5-rc.4.jar,dyno-jedis-1.6.5-rc.4.jar,dyno-queues-core-2.0.0-rc8.jar,dyno-queues-redis-2.0.0-rc8.jar,eddsa-0.3.0.jar,elasticsearch-7.5.2.jar,elasticsearch-cli-7.5.2.jar,elasticsearch-core-7.5.2.jar,elasticsearch-geo-7.5.2.jar,elasticsearch-rest-client-7.5.2.jar,elasticsearch-rest-high-level-client-7.5.2.jar,elasticsearch-secure-sm-7.5.2.jar,elasticsearch-ssl-config-7.5.2.jar,elasticsearch-x-content-7.5.2.jar,error\_prone\_annotations-2.3.4.jar,eureka-client-1.9.16.jar,failureaccess-1.0.1.jar,flyway-core-4.0.3.jar,governator-api-1.15.7.jar,governator-core-1.15.7.jar,grpc-context-1.14.0.jar,grpc-core-1.14.0.jar,grpc-netty-1.14.0.jar,grpc-protobuf-1.14.0.jar,grpc-protobuf-lite-1.14.0.jar,grpc-services-1.14.0.jar,grpc-stub-1.14.0.jar,gson-2.7.jar,guava-28.2-jre.jar,guava-retrying-2.0.0.jar,guice-4.1.0.jar,guice-assistedinject-4.1.0.jar,guice-grapher-4.1.0.jar,guice-multibindings-4.1.0.jar,guice-servlet-4.1.0.jar,HdrHistogram-2.1.9.jar,health-api-1.1.4.jar,health-core-1.1.4.jar,health-guice-1.1.4.jar,hibernate-validator-6.0.13.Final.jar,HikariCP-3.2.0.jar,hppc-0.8.1.jar,httpasyncclient-4.1.4.jar,httpClient-4.5.10.jar,httpcore-4.4.12.jar,httpcore-nio-4.4.12.jar,ion-java-1.0.2.jar,j2objc-annotations-1.3.jar,jackson-annotations-2.10.1.jar,jackson-core-2.10.1.jar,jackson-databind-2.10.1.jar,jackson-dataformat-cbor-2.10.1.jar,jackson-dataformat-smile-2.10.1.jar,jackson-dataformat-xml-2.10.1.jar,jackson-dataformat-yaml-2.10.1.jar,jackson-datatype-joda-2.10.1.jar,jackson-jaxrs-base-2.10.1.jar,jackson-jaxrs-json-provider-2.10.1.jar,jackson-jq-0.0.11.jar,jackson-module-jaxb-annotations-2.10.1.jar,jakarta.activation-api-1.2.1.jar,jakarta.xml.bind-api-2.3.2.jar,java-nats-streaming-2.2.3.jar,javassist-3.26.0-GA.jar,javax.el-3.0.0.jar,javax.el-api-3.0.0.jar,javax.inject-1.jar,jboss-logging-3.3.2.Final.jar,jcodings-1.0.43.jar,jedis-2.9.0.jar,jersey-apache-client4-1.19.1.jar,jersey-bundle-1.19.1.jar,jersey-client-1.19.4.jar,jersey-core-1.19.4.jar,jersey-guice-1.19.4.jar,jersey-multipart-1.13.jar,jersey-server-1.19.4.jar,jersey-servlet-1.19.4.jar,jettison-1.3.7.jar,jetty-http-9.4.24.v20191120.jar,jetty-io-9.4.24.v20191120.jar,jetty-security-9.4.26.v20200117.jar,jetty-server-9.4.24.v20191120.jar,jetty-servlet-9.4.26.v20200117.jar,jetty-util-9.4.24.v20191120.jar,jffi-1.2.16.jar,jffi-1.2.16-native.jar,jmespath-java-1.11.719.jar,jna-4.5.1.jar,jnats-2.6.5.jar,jnr-constants-0.9.9.jar,jnr-ffi-2.1.7.jar,jnr-posix-3.0.44.jar,jnr-x86asm-1.0.2.jar,joda-time-2.10.3.jar,joni-2.1.27.jar,jopt-simple-5.0.2.jar,json-path-2.2.0.jar,json-simple-1.1.jar,json-smart-2.2.1.jar,jsr305-3.0.2.jar,jsr311-api-1.1.1.jar,kafka-clients-2.4.0.jar,lang-mustache-client-7.5.2.jar,listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar,log4j-1.2.17-16.jar(Downloaded from [https://oss.oracle.com/ol7/SRPMS-updates/log4j-1.2.17-16.el7\\_4.src.rpm](https://oss.oracle.com/ol7/SRPMS-updates/log4j-1.2.17-16.el7_4.src.rpm)),log4j-api-2.11.1.jar,log4j-core-2.9.1.jar,luaj-jse-3.0.jar,lucene-analyzers-common-8.3.0.jar,lucene-backward-codecs-8.3.0.jar,lucene-core-8.3.0.jar,lucene-grouping-8.3.0.jar,lucene-highlighter-8.3.0.jar,lucene-join-8.3.0.jar,lucene-memory-8.3.0.jar,lucene-misc-8.3.0.jar,lucene-queries-8.3.0.jar,lucene-queryparser-8.3.0.jar,lucene-sandbox-8.3.0.jar,lucene-spatial3d-8.3.0.jar,lucene-spatial-8.3.0.jar,lucene-spatial-extras-8.3.0.jar,lucene-suggest-8.3.0.jar,lz4-java-1.6.0.jar,mapper-extras-client-7.5.2.jar,metrics-core-3.2.2.jar,mimepull-1.6.jar,netflix-eventbus-0.3.0.jar,netflix-infix-0.3.0.jar,netty-buffer-4.1.45.Final.jar,netty-codec-4.1.45.Final.jar,netty-codec-http-4.1.45.Final.jar,netty-codec-http-4.1.45.Final.jar,netty-codec-socks-4.1.45.Final.jar,netty-common-4.1.45.Final.jar,netty-handler-4.1.45.Final.jar,netty-handler-proxy-4.1.45.Final.jar,netty-resolver-4.1.45.Final.jar,netty-transport-4.1.45.Final.jar,oauth-client-1.19.4.jar,oauth-signature-1.19.4.jar,ojdbc8-19.3.0.0.jar,ons-19.3.0.0.jar,opencensus-api-0.12.3.jar,opencensus-contrib-grpc-metrics-0.12.3.jar,oraclepki-19.3.0.0.jar,osdt\_cert-

19.3.0.0.jar,osdt\_core-19.3.0.0.jar,parent-join-client-7.5.2.jar,percolator-client-7.5.2.jar,protobuf-java-3.9.1.jar,protobuf-java-util-3.5.1.jar,protogen-annotations-1.0.0.jar,proto-google-common-protos-1.0.0.jar,rank-eval-client-7.5.2.jar,re2j-1.2.jar,redis-java-0.0.17.jar,reflections-0.9.10.jar,reindex-client-7.5.2.jar,rxjava-1.2.2.jar,servlet-api-2.5.jar,servo-core-0.12.21.jar,simplefan-19.3.0.0.jar,slf4j-api-1.7.28.jar,slf4j-log4j12-1.7.21.jar,snakeyaml-1.24.jar,snappy-java-1.1.7.3.jar,spectator-api-0.68.0.jar,stax2-api-4.2.jar,stax-api-1.0.1.jar,stringtemplate-3.2.1.jar,swagger-annotations-1.5.9.jar,swagger-core-1.5.9.jar,swagger-jaxrs-1.5.9.jar,swagger-jersey-jaxrs-1.5.9.jar,swagger-models-1.5.9.jar,t-digest-3.2.jar,transport-7.5.2.jar,transport-netty4-client-7.5.2.jar,ucp-19.3.0.0.jar,validation-api-2.0.1.Final.jar,woodstox-core-6.0.2.jar,xmlpull-1.1.3.1.jar,xpp3\_min-1.1.4c.jar,xstream-1.4.11.1.jar,zstd-jni-1.4.3-1.jar,conductor-client-2.24.2.jar

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ASM is an all purpose Java bytecode manipulation and analysis framework. It can be used to modify existing classes or to dynamically generate classes, directly in binary form. ASM provides some common bytecode transformations and analysis algorithms from which custom complex transformations and code analysis tools can be built. ASM offers similar functionality as other Java bytecode frameworks, but is focused on performance. Because it was designed and implemented to be as small and as fast as possible, it is well suited for use in dynamic systems (but can of course be used in a static way too, e.g. in compilers).

ASM is used in many projects, including:

the OpenJDK, to generate the lambda call sites, and also in the Nashorn compiler,

the Groovy compiler and the Kotlin compiler,

Cobertura and Jacoco, to instrument classes in order to measure code coverage,

CGLIB, to dynamically generate proxy classes (which are used in other projects such as Mockito and EasyMock),

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Other developers who have contributed code are:

\* Brian Langel"

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 */
```

```
/**
```

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*
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*/
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Clinton Gormley ([clintongormley@github](mailto:clintongormley@github))

\* Suggested [#5]: Support binary (byte[]) Object keys (assuming UTF-8 encoding)

(2.4.3)



\* Suggested [#6]: Support 'self-describe' CBOR tag

(2.4.3)

mbaril@github)

\* Reported #9, suggested fix, contributed unit test: Infinite loop when trying  
to write binary data using CBORGenerator

(2.5.1)

Steve Gury (stevegury@github)

\* Reported #13, suggested fix: Bug in boundary checking in the CBORParser

(2.6.2)

Adrien Grand (jpountz@github)

\* Reported #15: CBORParser.getNumberType returns DOUBLE even if the generator  
has been fed with a float

(2.6.5)

philipa@githubL

\* Requested #20: Add a public `finishToken()`

(2.7.2)

\* Requested #22: CBORGenerator.copyCurrentStructure() and copyCurrentEvent() do not copy  
tags

(2.7.2)

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Tatu Saloranta, tatu.saloranta@iki.fi: author

Steven Schlansker:

\* Reported [Issue-2]: SmileParser failed to properly decoded surrogate-pair  
characters for long strings

(2.0.2)

brharrington@github:

\* Reported #17: Boundary error with `float`/`double` values, large content

(2.4.1)

Lee Yun-young (lseeker@github)

\* Report #25: Buffer overrun when writing unencoded binary content

(2.4.7 / 2.5.5)

mcmahon356@github:

\* Reported #24: Current location does not always updated properly

(2.5.1)

georgewfraser@githubL

\* Reported #34: Deserialize error "Invalid type marker byte" for 'long' field names

(57 characters or longer)

(2.6.6 / 2.7.2)

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`jackson-jq/src/test/resources`

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The levenshtein automata tables (under `core/src/java/org/apache/lucene/util/automaton`) were automatically generated with the `moman/finenight` FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see <http://sites.google.com/site/rrettesite/moman> and <http://bitbucket.org/jpbarrette/moman/overview/>

The class `org.apache.lucene.util.WeakIdentityMap` was derived from the Apache CXF project and is Apache License 2.0.

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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  
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were developed by Martin Porter and Richard Boulton.

The full snowball package is available from

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

The KStem stemmer in

`analysis/common/src/org/apache/lucene/analysis/en`

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The Arabic, Persian, Romanian, Bulgarian, Hindi and Bengali analyzers (common) come with a default

stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

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

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

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

`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

Ljiljana Dolamic. These files reside in:

`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  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`. See <http://project.carrot2.org/license.html>.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by [www.imdict.net](http://www.imdict.net).

`WordBreakTestUnicode_*.java` (under `modules/analysis/common/src/test/`) is derived from Unicode data such as the Unicode Character Database. See <http://unicode.org/copyright.html> for more details.

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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Joda datatype module.

(version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta, tatu.saloranta@iki.fi: author

ncjones@github.com:

\* Contributed #19: Add support for `MonthDay` and `YearMonth`

(2.3.1)

Lukasz D:

\* Suggested #23: package as a bundle

(2.3.1)

Lorcan C

\* Contributed #25: Add `KeyDeserializer` for `DateTime`

(2.3.1)

Hendy Irawan (ceefour@github)

\* Contributed #27: Allow support for `DateTimeZone`

(2.3.1)

Brad Kennedy (bkenned4@github)

\* Contributed #45: Can't use LocalTime, LocalDate & LocalDateTime as Key type for a Map

(2.4.3)"

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\* Brock Janiczak - initial API and implementation

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Args = --initialize-at-run-  
time=io.netty.buffer.PooledByteBufAllocator,io.netty.buffer.ByteBufAllocator,io.netty.buffer.ByteBu  
fUtil,io.netty.buffer.AbstractReferenceCountedByteBuf

"

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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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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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XML Unit v1.1

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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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## **spring-boot-starter-hateoas 2.2.1**

Top Level Component: spring-boot-starter-hateoas

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Other developers who have contributed code are:

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Jackson is a high-performance, Free/Open Source JSON processing library.

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"Here are people who have contributed to the development of Jackson JSON processor  
JSR-310 datatype module.

Nick Williams ([beamerblvd@github](mailto:beamerblvd@github)): author

Tatu Saloranta ([cowtowncoder@github](mailto:cowtowncoder@github)): co-author

Chuck McCorvey ([cmccorvey@github](mailto:cmccorvey@github))

\* Contributed #20: Enhance YearMonth Serialization/Deserialization  
to allow custom formatting with `@JsonFormat``

(2.5.2)

Christopher Currie (christophercurrie@github)

\* Fixed Maven build to properly check for JDK 1.8

Lukasz Dywicki (splatch@github)

\* Contributed #5: Improvements to OSGi manifest generation

(2.2.3)

Jon Edvardsson (jedvardsson@github)

\* Reported #24: Zoned type information improperly handled when default typing enabled

(2.5.4)

Zoltan Kiss (zkiss@github)

\* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys

(2.6.0)

\* Contributed #30: Make `ZonedDateTime` serializer support  
`SerializationFeature.WRITE\_DATES\_WITH\_ZONE\_ID`

(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to  
LocalDate

(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit  
`DateTimeFormatter`

to use, to allow for registering custom-formatter variants (related to #17)

(2.6.0)

James R (time4tea@github)

\* Reported #35: LocalTimeDeserializer does not use configured formatter

(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`

(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

Krešimir Neseck (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions  
when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro Pandžić (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date

(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for  
`JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`  
(2.8.0)"

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Ahmed Al Hafoudh

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Andrey Derevyanko

Andrey Rodionov

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Carlo de Wolf

Chris Beckey

Christian Ivan

Dag Hovland

Damir Alibegovic

Dario Seidl

Davide D'Alto

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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 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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"Here are people who have contributed to the development of Jackson JSON processor  
JSR-310 datatype module.

Nick Williams ([beamerblvd@github](mailto:beamerblvd@github)): author

Tatu Saloranta ([cowtowncoder@github](mailto:cowtowncoder@github)): co-author

Chuck McCorvey ([cmccorvey@github](mailto:cmccorvey@github))

\* Contributed #20: Enhance YearMonth Serialization/Deserialization  
to allow custom formatting with `@JsonFormat``

(2.5.2)

Christopher Currie (christophercurrie@github)

\* Fixed Maven build to properly check for JDK 1.8

Lukasz Dywicki (splatch@github)

\* Contributed #5: Improvements to OSGi manifest generation

(2.2.3)

Jon Edvardsson (jedvardsson@github)

\* Reported #24: Zoned type information improperly handled when default typing enabled

(2.5.4)

Zoltan Kiss (zkiss@github)

\* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys

(2.6.0)

\* Contributed #30: Make `ZonedDateTime` serializer support  
`SerializationFeature.WRITE\_DATES\_WITH\_ZONE\_ID`

(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to  
LocalDate

(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit  
`DateTimeFormatter`

to use, to allow for registering custom-formatter variants (related to #17)

(2.6.0)

James R (time4tea@github)

\* Reported #35: LocalTimeDeserializer does not use configured formatter

(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`

(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

Krešimir Neseck (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions  
when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro Pandžic (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date



(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for  
`JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`

(2.8.0)"

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Ahmed Al Hafoudh

Alaa Nassef

Andrey Derevyanko

Andrey Rodionov

Asutosh Pandya

Benson Margulies

Brent Douglas

Carlos Vara

Carlo de Wolf

Chris Beckey

Christian Ivan

Dag Hovland

Damir Alibegovic

Dario Seidl

Davide D'Alto

Davide Marchignoli  
Denis Tiago  
Doug Lea  
Emmanuel Bernard  
Efthymis Sarbanis  
Federico  
Federico Mancini  
Gavin King  
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Guillaume Husta  
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Jiri Bilek  
Julien Furgerot  
Julien May  
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Justin Nauman  
Kathryn Killebrew  
Kazuki Shimizu  
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Lucas Pouzac  
Lukas Niemeier  
Mark Hobson  
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Victor Rezende dos Santos  
Willi Schönborn

Xavier Sosnovsky

Yanming Zhou

Yoann Rodière"

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5-1360

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Other developers who have contributed code are:

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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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Alaa Nassef

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Justin Nauman  
Kathryn Killebrew  
Kazuki Shimizu  
Kevin Pollet  
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Leonardo Loch Zanivan  
Lucas Pouzac

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Mark Hobson  
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Sebastian Bayerl  
Shahram Goodarzi  
Shane Bryzak  
Shelly McGowan  
Sjaak Derksen  
Steve Ebersole  
Strong Liu  
Tadhg Pearson  
Takashi Aoe  
Tomaz Cerar  
Tommy Johansen  
Victor Rezende dos Santos  
Willi SchÄ¶nborn  
Xavier Sosnovsky  
Yanming Zhou  
Yoann RodiÄ¶re"

---

Fourth Party Dependency # 59 : jackson-datatype-jsr310

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"Here are people who have contributed to the development of Jackson JSON processor JSR-310 datatype module.

Nick Williams (beamerblvd@github): author

Tatu Saloranta (cowtowncoder@github): co-author

Chuck McCorvey (cmccorvey@github)

- \* Contributed #20: Enhance YearMonth Serialization/Deserialization to allow custom formatting with `@JsonFormat`` (2.5.2)

Christopher Currie (christophercurrie@github)

- \* Fixed Maven build to properly check for JDK 1.8

Å ukasz Dywicki (splatch@github)

- \* Contributed #5: Improvements to OSGi manifest generation (2.2.3)

Jon Edvardsson (jedvardsson@github)

\* Reported #24: Zoned type information improperly handled when default typing enabled  
(2.5.4)

Zoltan Kiss (zkiss@github)

\* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys  
(2.6.0)

\* Contributed #30: Make `ZonedDateTime` serializer support  
`SerializationFeature.WRITE\_DATES\_WITH\_ZONE\_ID`  
(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to  
LocalDate  
(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit  
`DateTimeFormatter`  
to use, to allow for registering custom-formatter variants (related to #17)  
(2.6.0)

James R (time4tea@github)

\* Reported #35: LocalTimeDeserializer does not use configured formatter  
(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`  
(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

KreÅžimir NeseÅž (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions  
when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro PandÅž (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date

(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for  
`JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`

(2.8.0)"

**spring-cloud-netflix-core 2.2.0.RELEASE**

\*\*\*\*\*

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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.

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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](mailto: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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(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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(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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Initial authors:

Stefan Haustein

Aleksander Slominski

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Victor Rezende dos Santos  
Willi Schönborn  
Xavier Sosnovsky  
Yanming Zhou  
Yoann Rodière"

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Nick Williams (beamerblvd@github): author

Tatu Saloranta (cowtowncoder@github): co-author

Chuck McCorvey (cmccorvey@github)

- \* Contributed #20: Enhance YearMonth Serialization/Deserialization to allow custom formatting with `@JsonFormat``  
(2.5.2)

Christopher Currie (christophercurrie@github)

- \* Fixed Maven build to properly check for JDK 1.8

Lukasz Dywicki (splatch@github)

- \* Contributed #5: Improvements to OSGi manifest generation  
(2.2.3)

Jon Edvardsson (jedvardsson@github)

- \* Reported #24: Zoneld type information improperly handled when default typing enabled  
(2.5.4)

Zoltan Kiss (zkiss@github)

- \* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys  
(2.6.0)
- \* Contributed #30: Make `ZonedDateTime`` serializer support `SerializationFeature.WRITE_DATES_WITH_ZONE_ID``

(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to LocalDate

(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit `DateTimeFormatter`

to use, to allow for registering custom-formatter variants (related to #17)

(2.6.0)

James R (time4tea@github)

\* Reported #35: LocalTimeDeserializer does not use configured formatter

(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`

(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

Kresimir Neseck (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro Pandzic (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date

(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for `JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`

(2.8.0)"

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(version numbers in brackets indicate release in which the problem was fixed)

Tatu Saloranta, tatu.saloranta@iki.fi: author

Clinton Gormley (clintongormley@github)

\* Suggested [#5]: Support binary (byte[]) Object keys (assuming UTF-8 encoding)

(2.4.3)

\* Suggested [#6]: Support 'self-describe' CBOR tag

(2.4.3)

mbaril@github)

\* Reported #9, suggested fix, contributed unit test: Infinite loop when trying

to write binary data using CBORGenerator

(2.5.1)

Steve Gury (stevegury@github)

\* Reported #13, suggested fix: Bug in boundary checking in the CBORParser

(2.6.2)

Adrien Grand (jpountz@github)

\* Reported #15: CBORParser.getNumberType returns DOUBLE even if the generator has been fed with a float

(2.6.5)

philipa@githubL

\* Requested #20: Add a public `finishToken()`

(2.7.2)

\* Requested #22: CBORGenerator.copyCurrentStructure() and copyCurrentEvent() do not copy tags

(2.7.2)

---

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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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(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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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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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 Schmedehausen (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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(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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(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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Carlo de Wolf

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Victor Rezende dos Santos  
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"Here are people who have contributed to the development of Jackson JSON processor JSR-310 datatype module.

Nick Williams (beamerblvd@github): author

Tatu Saloranta (cowtowncoder@github): co-author

Chuck McCorvey (cmccorvey@github)

- \* Contributed #20: Enhance YearMonth Serialization/Deserialization to allow custom formatting with `@JsonFormat``  
(2.5.2)

Christopher Currie (christophercurrie@github)

- \* Fixed Maven build to properly check for JDK 1.8

Lukasz Dywicki (splatch@github)

- \* Contributed #5: Improvements to OSGi manifest generation  
(2.2.3)

Jon Edvardsson (jedvardsson@github)

- \* Reported #24: Zoneld type information improperly handled when default typing enabled  
(2.5.4)

Zoltan Kiss (zkiss@github)

- \* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys  
(2.6.0)

\* Contributed #30: Make `ZonedDateTime` serializer support  
`SerializationFeature.WRITE\_DATES\_WITH\_ZONE\_ID`

(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to  
`LocalDate`

(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit  
`DateTimeFormatter`

to use, to allow for registering custom-formatter variants (related to #17)

(2.6.0)

James R (time4tea@github)

\* Reported #35: `LocalTimeDeserializer` does not use configured formatter

(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`

(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

Krešimir Neseck (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro Pandžic (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date

(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for `JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`

(2.8.0)"

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Other developers who have contributed code are:

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**spring-cloud-stream-schema 2.2.1.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 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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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Kazuki Shimizu  
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Tomaz Cerar  
Tommy Johansen  
Victor Rezende dos Santos  
Willi SchÃ¶nborn

Xavier Sosnovsky

Yanming Zhou

Yoann Rodière

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"Here are people who have contributed to the development of Jackson JSON processor JSR-310 datatype module.

Nick Williams (beamerblvd@github): author

Tatu Saloranta (cowtowncoder@github): co-author

Chuck McCorvey (cmccorvey@github)

\* Contributed #20: Enhance YearMonth Serialization/Deserialization  
to allow custom formatting with `@JsonFormat`  
(2.5.2)

Christopher Currie (christophercurrie@github)

\* Fixed Maven build to properly check for JDK 1.8

Å ukasz Dywicki (splatch@github)

\* Contributed #5: Improvements to OSGi manifest generation  
(2.2.3)

Jon Edvardsson (jedvardsson@github)

\* Reported #24: Zoned type information improperly handled when default typing enabled

(2.5.4)

Zoltan Kiss (zkiss@github)

\* Contributed #18: Support serializing and deserializing Maps with jsr310 types as keys

(2.6.0)

\* Contributed #30: Make `ZonedDateTime` serializer support  
`SerializationFeature.WRITE\_DATES\_WITH\_ZONE\_ID`

(2.6.0)

Sander Mak (sandermak@github)

\* Contributed #28, #56: ISO strings with time-component cause exception when deserializing to  
LocalDate

(2.6.0, 2.7.1)

Iain Davis (iain-davis@github)

\* Contributed #34: Allow direct instantiation of standards deserializers, with explicit  
`DateTimeFormatter`

to use, to allow for registering custom-formatter variants (related to #17)

(2.6.0)

James R (time4tea@github)

\* Reported #35: LocalTimeDeserializer does not use configured formatter

(2.6.1)

jukkasi@github:

\* Reported #37: Cannot parse Javascript date using `LocalDateDeserializer`

(2.6.1)

Ken Southerland (crowmagnumb@github):

\* Reported #45: Problem Deserializing `java.time.OffsetTime` from JSON Array

(2.6.3)

Peter Royal (osi@github)

\* Reported #50: `Instant` schema representation is incorrect for timestamps serialization

(2.6.4)

KreÅžimir NeseÅž (knes1@github)

\* Reported, contributed for #69: Serialization of Instant seems to throw exceptions when @JsonFormat is used

(2.6.6)

Devin Smith (devinrsmith@github)

\* Reported #63: Should not leak `DateTimeException`s to caller

(2.7.3)

Lovro PandÅž (lpandzic@github)

\* Reported #79: Can't deserialize Instant from JSON of serialized Date

(2.7.5)

Alexey Bychkov (joxerTMD@github)

\* Contributed #80: Add Support for `JsonFormat.Feature.ADJUST\_DATES\_TO\_CONTEXT\_TIME\_ZONE`

(2.8.0)"

**Pivotal Software spring-security-ldap 5.2.1.RELEASE**

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Other developers who have contributed code are:

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swagger-annotations

swagger-core

swagger-models

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4th Party dependencies:

commons-lang3

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guava

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### **jjwt 0.10.7**

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Fourth Party Dependency # 2 : jjwt-jackson

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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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```
/* Jackson JSON-processor.
```

```
*
```

```
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```

```
*/
```

-----  
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Revision level 1.2, last updated on 2009/01/13

Changed the URL of the Artifacts.

Revision level 1.1, last updated on 2007/11/19

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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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| js/libs/proj4js/dist/proj4.js                    | Proj4js |                 |
| js/libs/require/require.js                       | MIT     |                 |
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| js/libs/webcomponents/custom-elements.min.js     |         | custom-elements |
| scss/oj/v7.1.0/3rdparty/normalize/normalize.scss | MIT     |                 |
| js/libs/touchr/touchr.js                         | MIT     |                 |

/\*!

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

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\*/

/\*\*

\* webcomponents/custom-elements - v1.1.2

\*

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/\*! Hammer.JS - v2.0.4 - 2014-09-28

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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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\* Includes Sizzle.js

\* <http://sizzlejs.com/>

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\* Date: 2014-12-18T15:11Z

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\* Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

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FasterXML, LLC	jackson-annotations	2.10.1
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FasterXML, LLC	jackson-dataformat-yaml	2.10.1
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Google	GSON	2.8.6
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