

Licensing Guide  
Oracle Banking Cash Management  
Release 14.4.0.0.0  
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Licensing Guide  
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# 1. Preface

## 1.1 Introduction

This document helps you understand the guiding rules for Oracle Banking Cash 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 Cash 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/us/corporate/accessibility/index.html>.

## 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 Cash Management Licensing</i> provides information on <i>Oracle Banking Cash Management</i> licensing.
Chapter 3	<i>Software Pre-requisites</i> consists of the technology pre-requisites required for <i>Oracle Banking Cash Management</i> .
Chapter 4	<i>Third Party Licenses</i> provides information on licensing of third party software packaged along with <i>Oracle Banking Cash Management</i> .

## 1.5 Related Documents

For more information, refer to the following documents:

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

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## 2. Oracle Banking Cash Management Licensing

### 2.1 Introduction

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

## 2.3 Components Included in License

Not applicable to Oracle Banking Cash 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)
NA	NA	NA

## 2.5 Restricted Use License

Not applicable to Oracle Banking Cash Management.

### 3. Software Prerequisites

Following are the separately licensable software prerequisites for Oracle Banking Cash Management Product.

Component	Machine	Operating System	Software	Version Number
Oracle Banking Cash Management	Application Server	Oracle Linux Server release 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			Java HotSpot (TM) JDK (with WebLogic Application Server)	JDK 8 Update 241
			Oracle Fusion Middleware Infrastructure	12.2.1.4.0
	Database Server	Oracle Linux Server release 7.6(x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0
	Document Management System	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			Oracle WebCenter Content Imaging	12.2.1.4.0
			Repository Creation Utility	12.2.1.4.0
			Oracle Database (for RCU)	19.6.0.0.0
			JDK	JDK 8 Update 241
	Client Machines#		Internet Explorer	Microsoft Internet Explorer Release (11.*)
			Mozilla Firefox	Mozilla Firefox Release (66+)
			Google Chrome	Google Chrome Release (73+)
			Microsoft Edge	44+

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



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## 4. Third Party Licenses

### 4.1 Introduction

This chapter provides information on licensing of third party software that are packaged with Oracle Banking Cash Management. It contains the following sections:

- Apache 2.0
  - Apache POI 4.1.1
  - Avro 1.9.1
  - Commons FileUpload 1.4
  - Kafka 2.3.1
  - ZooKeeper 3.5.6
  - cglib 3.3.0
  - Velocity Engine 2.1
  - flyway-core 6.1.3
  - jackson-dataformat-xml 2.10.1
  - jackson-dataformats-binary 2.10.1
  - jackson-jaxrs-json-provider 2.10.1
  - conductor 2.24.2
  - Spring Cloud Config 2.2.0
  - Spring Cloud Sleuth 2.2.0
  - spring-boot-starter-batch 2.2.1
  - spring-boot-starter-data-jpa 2.2.1
  - spring-boot-starter-hateoas 2.2.1
  - spring-boot-starter-jersey 2.2.1
  - spring-boot-starter-security 2.2.1
  - spring-cloud-config-server 2.2.0
  - spring-cloud-netflix-core 2.2.0
  - spring-cloud-netflix-eureka-server 2.2.0
  - spring-cloud-starter-netflix-eureka-client 2.2.0
  - spring-cloud-starter-netflix-zuul 2.2.0
  - spring-cloud-starter-stream-kafka 3.0.0
  - spring-cloud-stream-schema 2.2.1
  - spring-security-ldap 5.2.1
  - Swagger 1.6.0
  - Netty 4.1.43
  - math.js 5.9.0
  - jjwt 0.10.7

- EPL 2.0
  - EclipseLink 2.7.5
  - EclipseLink JPA 2.7.5
- MIT
  - Lodash 4.17.11
  - Node-TimSort 0.3.0
  - Knockout.js 3.5.0
  - moment.js 2.24.0
- The Universal Permissive License (UPL), Version 1.0
  - JavaScript Extension Toolkit (JET) 7.2.0
- Others
  - jQuery 3.4.1
  - JSON-Java 20190722-6b6e8e8
  - Simple Logging Facade for Java (SLF4J) 1.7.29
  - JSZip 3.2.1

## 4.1.1 Apache 2.0

### 4.1.1.1 Apache POI 4.1.1

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It was originally written by Tatu Saloranta ([tatu.saloranta@iki.fi](mailto:tatu.saloranta@iki.fi)), and has  
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Fourth Party Dependency # 2: jackson-databind

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

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Fourth Party Dependency # 3: joda-time 2.10.5

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Fourth Party Dependency # 5: connect-basic-auth-extension  
Fourth Party Dependency # 6: connect-file  
Fourth Party Dependency # 7: connect-json  
Fourth Party Dependency # 8: connect-runtime  
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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  
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It is currently developed by a community of developers, as well as supported  
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```
Fourth Party Dependency # 15: jackson-datatype-jdk8  
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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 Schmeddehausen (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  
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Fourth Party Dependency # 21: jakarta.activation-api

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Assorted

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\* 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>

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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

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Apache

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

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MortBay

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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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Mortbay

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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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Fourth Party Dependency # 14 License: Apache 2.0  
Fourth Party Dependency # 14 Copyright:

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Chris Nokleberg  
Dave Hughes

---

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Args = --initialize-at-run-
time=io.netty.buffer.PooledByteBufAllocator,io.netty.buffer.ByteBufAllocator,io.netty.buffer.ByteBufUtil,io.n
etty.buffer.AbstractReferenceCountedByteBuf
```

```
-----
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The files

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

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

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#### 4P dependencies:

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-1.1.1.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-http2-4.1.45.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 used in many projects, including:

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- the Groovy compiler and the Kotlin compiler,
- Cobertura and Jacoco, to instrument classes in order to measure code coverage,
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 *
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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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Here are people who have contributed to Smile decoded plug-in development

(version 2.0 onwards)

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

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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`jackson-jq/src/main/resources/net/thisptr/jackson/jq/jq.json`

`jackson-jq/src/test/resources/jq-test-all-ng.json`

`jackson-jq/src/test/resources/jq-test-all-ok.json`

`jackson-jq/src/test/resources/jq-test-official-ng.json`

`jackson-jq/src/test/resources/jq-test-official-ok.json`

`jackson-jq/src/test/resources/compiler-test-ok.txt`

`jackson-jq/src/test/resources/compiler-test-ng.txt`

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

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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

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

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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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was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)

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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

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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java

analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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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`.

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"Here are people who have contributed to the development of Jackson JSON processor  
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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\* Contributors:

\* Brock Janiczak - initial API and implementation

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Fourth Party Dependency # 237 : elasticsearch-core

Fourth Party Dependency # 238 : elasticsearch-geo

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Args = --initialize-at-run-  
time=io.netty.buffer.PooledByteBufAllocator,io.netty.buffer.ByteBufAllocator,io.netty.buffer.ByteBufUtil,io.n  
etty.buffer.AbstractReferenceCountedByteBuf

"

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**4.1.1.14 Spring Cloud Sleuth 2.2.0.RELEASE**

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#### **4.1.1.16 spring-boot-starter-data-jpa 2.2.1.RELEASE**

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Other developers who have contributed code are:

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Top Level Component: spring-boot-starter-hateoas  
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Other developers who have contributed code are:

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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](mailto: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 Neseke (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  
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#### **4.1.1.18 spring-boot-starter-jersey 2.2.1.RELEASE**

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Other developers who have contributed code are:

\* Brian Langel

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(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](mailto:christophercurrie@github))  
\* Fixed Maven build to properly check for JDK 1.8

Lukasz Dywicki ([splatch@github](mailto:splatch@github))  
\* Contributed #5: Improvements to OSGi manifest generation  
(2.2.3)

Jon Edvardsson ([jedvardsson@github](mailto:jedvardsson@github))  
\* Reported #24: ZonedDateTime type information improperly handled when default typing enabled  
(2.5.4)

Zoltan Kiss ([zkiss@github](mailto: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 Neseć (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  
Alaa Nassef  
Andrey Derevyanko  
Andrey Rodionov  
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Carlos Vara  
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#### **4.1.1.19 spring-boot-starter-security 2.2.1.RELEASE**

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#### **4.1.1.20 spring-cloud-config-server 2.2.0.RELEASE**

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(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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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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above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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Ahmed Al Hafoudh

Alaa Nassef  
Andrey Derevyanko  
Andrey Rodionov  
Asutosh Pandya  
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Carlos Vara  
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Federico Mancini  
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George Gastaldi  
Gerhard Petracek

Guillaume Husta

Guillaume Smet

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Hardy Ferentschik

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Julien May

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Justin Nauman

Kathryn Killebrew

Kazuki Shimizu

Kevin Pollet

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Mark Hobson

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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 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



Åłukasz Dywicki (splatc@github)

\* Contributed #5: Improvements to OSGi manifest generation

(2.2.3)

Jon Edvardsson (jedvardsson@github)

\* Reported #24: ZoneId 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)

KreÅjimir Nesek (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)"

---

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

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#### **4.1.1.22 spring-cloud-netflix-eureka-server 2.2.0.RELEASE**

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Initial authors:

Stefan Haustein



Aleksander Slominski

2001-12-12

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Willi Schönborn

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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: ZoneId 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 fo #26: `@JsonUnwrapped` on Optional value does not propagate prefix to schema

(2.6.4)

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

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(version 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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Michal Fotyga

Nicola Ferraro

Nicolas François

Paolo Perrotta

Pete Muir

Rob Dickinson

Sanne Grinovero

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 Schönborn

Xavier Sosnovsky

Yanming Zhou

Yoann Rodière"

---

Fourth Party Dependency # 95 : jackson-datatype-jsr310

Fourth Party Dependency # 95 License: Apache 2.0

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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): 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: ZoneId 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 Neseke (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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#### **4.1.1.25 spring-cloud-starter-stream-kafka 3.0.0.RELEASE**

\*\*\*\*\*

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Other developers who have contributed code are:

\* Brian Langel  
-----

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(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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"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

Åukasz 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)

KreÅimir NeseÅ (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)"

#### **4.1.1.27 spring-security-ldap 5.2.1.RELEASE**

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### SWAGGER MODULES

swagger-annotations

swagger-core

swagger-models

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4th Party dependencies:

commons-lang3

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

Changed the URL of the Artifacts.

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#### **4.1.3.2 Node-TimSort 0.30**

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 SUCH DAMAGE.
*/

/*
 * proj4js - v2.5.0

```



```
* http://proj4js.org/  
* Copyright (C) 2014 Mike Adair, Richard Greenwood, Didier Richard, Stephen Irons, Olivier Terral and  
Calvin Metcalf;  
* Licensed under the Proj4js license  
*/
```

```
/*  
* require-css - v0.1.10  
* https://github.com/guybedford/require-css  
* Copyright (C) 2013 Guy Bedford;  
* Licensed under the MIT license  
*/
```

```
/*! Hammer.JS - v2.0.4 - 2014-09-28  
* http://hammerjs.github.io/  
*  
* Copyright (c) 2014 Jorik Tangelder;  
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```

```
/*  
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* http://www.opensource.org/licenses/mit-license.php  
*/
```

Normalize.scss  
Copyright (c) Nicolas Gallagher and Jonathan Neal

```
/*  
RequireJS i18n 2.0.2 Copyright (c) 2010-2012, The Dojo Foundation All Rights Reserved.  
Available via the MIT or new BSD license.  
see: http://github.com/requirejs/i18n for details  
*/
```

```
/* This component is based on original code from:  
jsTree 1.0-rc3 http://jstree.com/  
"Copyright (c) 2010 Ivan Bozhanov (vakata.com)  
Licensed same as jquery - under the terms of either the MIT License or  
the GPL Version 2 License  
http://www.opensource.org/licenses/mit-license.php  
http://www.gnu.org/licenses/gpl.html"  
*/
```

ES6-Promise v1.0.0  
Copyright (c) 2014 Yehuda Katz, Tom Dale, Stefan Penner and contributors

```
/*! jQuery UI - v1.12.1 - 2015-03-18
 * http://jqueryui.com
 * 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 v3.4.1
 * http://jquery.com/
 *
 * Includes Sizzle.js
 * http://sizzlejs.com/
 *
 * Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
 * Released under the MIT license
 * http://jquery.org/license
 *
 * Date: 2014-12-18T15:11Z
 */
```

```
/** @license
 * JS Signals
 * Released under the MIT license
 * Author: Miller Medeiros
 * Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)
 */
```

```
/**
 * @license RequireJS text 2.0.12 Copyright (c) 2010-2014, The Dojo Foundation All Rights Reserved.
 * Available via the MIT or new BSD license.
 * see: http://github.com/requirejs/text for details
 */
```

```
/*
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Available via the MIT or new BSD license.
see: http://github.com/jrburke/requirejs for details
*/
```

```
/*!
 * Knockout JavaScript library v3.5.0
 * (c) Steven Sanderson - http://knockoutjs.com/
 * License: MIT (http://www.opensource.org/licenses/mit-license.php)
 */
```

```
====
=====
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```
====  
=====
```

=====  
===== Proj4js =====

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#### **4.1.5 Others**

##### **4.1.5.1 jQuery 3.4.1**

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-----<https://github.com/jquery/jquery/blob/3.4.0/external/npo/npo.js>-----



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    v0.8.1 (c) Kyle Simpson
    MIT License: http://getify.mit-license.org
*/
```

-----  
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#### **4.1.5.2 JSON-Java 20190722-6b6e8e8**

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#### **4.1.5.3 Simple Logging Facade for Java (SLF4J) 1.7.29**

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#### **4.1.5.4 JSZip 3.2.1**

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

Pako 1.0.2  
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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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