

License Guide
Oracle Banking Branch
Release 14.4.0.3.0
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License Guide

February 2021

Version 14.4.0.3.0

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

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This document is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

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1.4 Organization

This manual is organized into 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 Branch Licensing</i> provides information about Oracle Banking Branch licensing.
Chapter 3	<i>Software Pre-requisites</i> consists of the technology pre-requisites required for Oracle Banking Branch.
Chapter 4	<i>Third Party Licenses</i> provides information on licensing of third party software that are packaged with Oracle Banking Branch.

1.5 Related Documents

For more information, refer to the following documents:

- Oracle Banking Branch User Guide

2. Oracle Banking Branch Licensing

2.1 Introduction

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

- General Licensing Rules
- Components Included in License
- Separately Licensed Pre-requisite Products and Licensing Metric
- Restricted Use License

2.2 General Licensing Rules

Not applicable to Oracle Banking Branch.

2.3 Components Included in License

The following components are included in the Oracle Banking Branch license:

- Utility Payments

2.4 Separately Licensed Pre-requisite Products and Licensing Metric

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

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle Banking Branch	Not applicable	• Application User • Branch Account

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Not applicable to Oracle Banking Branch.

3. Software Pre-requisites

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

3.1 Tech Stack – Oracle

Component	Machine	Operating System	Software	Version Number
Oracle Banking Branch	Application Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
			Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 271
			Oracle WebLogic	12.2.1.4.0
	Document Management System	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			JDK	1.8 Update 271
			Oracle Database (for RCU)	19.6.0.0.0
			Repository Creation Utility	12.2.1.4.0
			Oracle WebCenter Content Imaging	12.2.1.4.0
	Database Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.6.0.0.0
	Reporting Server	Oracle Enterprise Linux Server 7.6 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			JDK	1.8 Update 271
			Repository Creation Utility	12.2.1.4.0
			Oracle Database (for RCU)	19.6.0.0.0
			Oracle Analytical Server (Oracle BI Publisher)	5.5.0

Component	Machine	Operating System	Software	Version Number
	Client		Mozilla Firefox	For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at https://www.oracle.com/middleware/technologies/browser-policy.html
			Apple Safari	
			Google Chrome	
			Microsoft Edge	

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

3.2 Module-wise Software Prerequisites

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.4.0	Standard requirement.
Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 271	Standard requirement.
Oracle WebLogic	12.2.1.4.0	Standard requirement.
Repository Creation Utility	12.2.1.4.0	Standard requirement.
Oracle WebCenter Content Imaging	12.2.1.4.0	Standard requirement.
Oracle RDBMS Enterprise Edition	19.6.0.0.0	Standard requirement.
Oracle Analytical Server (Oracle BI Publisher)	5.5.0	Standard requirement.

NOTE: Refer to section [3.1 Tech Stack – Oracle](#) for dependent software details.

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- UPL
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opennlp-tools/src/main/java/opennlp/tools/stemmer/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
<http://snowball.tartarus.org/>

Spring Security

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

TOP LEVEL SUBCOMPONENTS

spring-security-core-5.3.4.RELEASE.jar

spring-security-ldap-5.3.4.RELEASE.jar

Top Level Component License : Apache License

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jackson-jaxrs-json-provider

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The project maintains the following source code repositories:

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POI

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Sub-components
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1. poi-excelant-4.1.2.jar
2. poi-ooxml-schemas-4.1.2.jar
3. poi-scratchpad-4.1.2.jar
4. poi-examples-4.1.2.jar

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4P Dependencies
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XML Beans 3.1.0

This is used by POI to convert from Java object to XML and back.

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SparseBitSet 1.2

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

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

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"# Jackson JSON processor
```

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4th Party Component #6 : asm
4th Party Component #7 : asm-analysis
4th Party Component #8 : asm-commons
4th Party Component #9 : asm-tree
4th Party Component #10 : asm-util
```

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4th Party Component #15      class-model
4th Party Component #15      EPL 2.0
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- * <https://github.com/eclipse-ee4j/glassfish-ha-api>
- * <https://github.com/eclipse-ee4j/glassfish-logging-annotation-processor>
- * <https://github.com/eclipse-ee4j/glassfish-shoal>
- * <https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>
- * <https://github.com/eclipse-ee4j/glassfish-jsftemplating>
- * <https://github.com/eclipse-ee4j/glassfish-hk2-extra>
- * <https://github.com/eclipse-ee4j/glassfish-hk2>
- * <https://github.com/eclipse-ee4j/glassfish-fighterfish>

Third-party Content

This project leverages the following third party content.

None

Cryptography

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)
Other developers who have contributed code are:
Brian Langel

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

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation
(2.6.4)
* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor
(2.6.4)
* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not
propagate prefix to schema
(2.6.4)

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

=====

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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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

Oracle OpenJDK

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

java.sun.security.ssl

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org.ow2.asm:asm-commons

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org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

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org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

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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spring-cloud-stream

Top Level Component : Spring-Cloud-Stream 3.0.8

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Other developers who have contributed code are:

* Brian Langel

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JDK8 datatype component, version 2.x
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```

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

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

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

* Reported, contributed fix 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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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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Top Level Component : xmlgraphics-fop 2.5

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Joseph Reagle

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

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Top Level Sub-Components:

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2. spring-cloud-sleuth-core-2.2.5.RELEASE.jar
3. spring-cloud-sleuth-zipkin-2.2.5.RELEASE.jar
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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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1. jetty-http-9.4.24.v20191120.jar
2. jetty-io-9.4.24.v20191120.jar
3. jetty-security-9.4.24.v20191120.jar
4. jetty-server-9.4.24.v20191120.jar
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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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swagger-parser

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Top Level Component : swagger-parser-2.0.22

Top Level Sub-Components:

-
1. swagger-parser-1.0.51.jar
 2. swagger-parser-core-2.0.22.jar
 3. swagger-parser-v2-converter-2.0.22.jar
 4. swagger-parser-v3-2.0.22.jar
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spring-cloud-config-server

Top Level Component : spring-cloud-config-server

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

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

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

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

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

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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spring-cloud-netflix-core

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

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation
(2.6.4)
* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor
(2.6.4)
* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not
propagate prefix to schema
(2.6.4)

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

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- web-app_3_0.xsd
- web-common_3_0.xsd
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- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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camel-cxf

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tesseract 4.1.0

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JDK8 datatype component, version 2.x
(version numbers in brackets indicate release in which the problem was fixed)

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

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

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4th Party Component #139 xstream

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Top Level Component: Conductor

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core/src/java/org/apache/lucene/util/compress/LZ4.java is a Java implementation of the LZ4 (<https://github.com/lz4/lz4/tree/dev/lib>) compression format for Lucene's DataInput/DataOutput abstractions.

LZ4 Library

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Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see <http://sites.google.com/site/rrettesite/moman> and
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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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The snowball stemmers 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

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`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

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

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

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

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

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

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

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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
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spring-cloud-netflix-eureka-server

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

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JDK8 datatype component, version 2.x
(version numbers in brackets indicate release in which the problem was fixed)

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

Henning Schmiedehausen (hgschmie@github)

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

(2.6.0)

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

* Reported #20: fails to serialize empty Optional with @JsonUnwrapped annotation
(2.6.4)
* Reported #25: OptionalDoubleSerializer does not override acceptJsonFormatVisitor
(2.6.4)
* Reported, contributed fix fo #26: `@JsonUnwrapped` on Optional value does not
propagate prefix to schema
(2.6.4)

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd

- web-fragment_3_1.xsd
- javaee_8.xsd
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set-immediate-shim 1.0.1
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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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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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Top Level Component: Eclipse-Link-Data-JPA

Top Level Sub-Components:

eclipselink

org.eclipse.persistence.jpa

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Top Level Sub-Component #2 org.eclipse.persistence.jpa

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4th Party Component #1 commonj.sdo
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4th Party Component #2 jakarta.persistence

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4th Party Component #3: org.eclipse.persistence.antlr

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4th Party Component #4

org.eclipse.persistence.asm

```
// ASM: a very small and fast Java bytecode manipulation framework
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4th Party Component #5 org.eclipse.persistence.core

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4th Party Component #6 org.eclipse.persistence.jpa.jpql

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4.7 **Third Party Libraries**

This section provides details of the libraries that use the following third party software:

- Apache License 2.0
- MIT License
- Eclipse Public License 2.0 and GPL v.2 with CPE
- UPL
- Multiple Licenses

4.7.1 **Apache License 2.0**

The following libraries include software:

- velocity-tools-generic 3.0-422ed61
- log4j-over-slf4j 1.7.30
- HikariCP 3.4.5
- jackson-dataformat-cbor 2.11.2
- Kafka 2.6.0
- ZooKeeper 3.6.2
- Conductor 2.30.1
- Jslt 0.1.9
- JsonPath 2.4.0-1ed1ea0
- swagger-parser 2.0.22
- camel-core 3.5.0
- camel-cxf 3.5.0
- spring-cloud-config-server 2.2.5.RELEASE
- spring-cloud-starter-config 2.2.5.RELEASE
- spring-cloud-starter-netflix-zuul 2.2.5.RELEASE
- spring-cloud-netflix-core 2.2.5.RELEASE
- spring-cloud-netflix-eureka-client 2.2.5.RELEASE
- Spring-Security-Oauth 2.5.0.RELEASE
- Avro 1.10.0
- swagger-annotations 1.6.2
- math.js 5.9.0

- camel-resilience4j 3.5.0
- spring-cloud-config-client 2.2.5.RELEASE
- spring-cloud-netflix-eureka-server 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-server 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-client 2.2.5.RELEASE
- tess4j 4.3.1
- PDFBox 2.0.18
- Commons IO 2.8.0
- OpenNLP-tools 1.9.3
- flyway-core 6.5.5
- modelmapper 2.3.8
- modelmapper 2.3.8
- swagger-annotations 1.6.2
- spring-cloud-stream-binder-kafka 3.0.8.RELEASE
- FOP 2.5
- POI 4.1.2
- netty-transport-native-epoll 4.1.52.Final
- tesseract 4.1.0
- Spring Security 5.3.4.RELEASE
- Velocity Engine 2.2
- Guava 29
- Jjwt 0.11.2
- netty-codec-http 4.1.52.Final
- cglib 3.3.0
- Commons FileUpload 1.4
- jackson-dataformat-xml 2.11.2
- jackson-jaxrs-json-provider 2.11.2
- Spring Boot 2.3.3.RELEASE
- Spring Cloud Sleuth 2.2.5.RELEASE
- spring-cloud-stream 3.0.8.RELEASE

4.7.2 **MIT License**

The following libraries include software:

- Simple Logging Facade for Java (SLF4J) 1.7.30
- jQuery 3.5.1
- Node-TimSort 0.3.0
- Knockout.js 3.5.0
- Lodash 4.17.20
- Moment.js 2.24.0
- JSON 20200518
- Jsoup 1.13.1

4.7.3 Eclipse Public License 2.0 and GPL v.2 with CPE

The following library include software:

- Jakarta Mail 1.6.5

4.7.4 UPL

The following library include software:

- JavaScript Extension Toolkit (JET) 8.3.0

4.7.5 Multiple Licenses

The following libraries include software:

- JSZip 3.2.1
- EclipseLink 2.7.7