

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

1.5 **Related Documents**

For more information, refer to the following documents:

- End user license agreement
- Oracle Banking Credit Facilities Process Management User Manuals

2. Oracle Banking Credit Facilities Process Management Licensing

2.1 Introduction

This chapter provides information on Oracle Banking Credit Facilities Process 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 Credit Facilities Process Management.

2.3 Components Included in License

Not applicable to Oracle Banking Credit Facilities Process Management.

2.4 Separately Licensed Pre-requisite Products and Licensing Metric

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

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

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle Banking Credit Facilities Process Management	Not Applicable	\$M in Collaterals or Limits Under Management

2.5 Restricted Use License

Not applicable to Oracle Banking Credit Facilities Process Management.

3. Software Prerequisites

Following are the separately licensable software prerequisites for Oracle Banking Credit Facilities Process Management Product.

Component	Machine	Operating System	Software	Version Number
Oracle Banking Credit Facilities Process Management	Application Server	Oracle Linux Server release 7.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			Java HotSpot (TM) JDK (with WebLogic Application Server)	JDK 8 Update 281
			Oracle Fusion Middleware Infrastructure	12.2.1.4.0
	Database Server	Oracle Linux Server release 7.3(x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.10.0.0.0
	Reporting Server	Oracle Enterprise Linux 7.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
			Analytics Server	5.9.0
			Repository Creation Utility	12.2.1.4.0
			Oracle Database (for RCU)	19.10.0.0.0
			JDK	JDK 8 Update 281
	Document Management System	Oracle Enterprise Linux Server 7.3 (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)	19.10.0.0.0
			JDK	JDK 8 Update 281
	Client Machines ¹	-	Microsoft Edge	Microsoft Edge (89+)
			Mozilla Firefox	Mozilla Firefox

				Release (87+)
			Google Chrome	Google Chrome Release (88+)
			Apple Safari	Apple Safari (14+)

Note:

1. 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 Machines** with Windows 10.

4. Third Party Licenses

4.1 Introduction

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

- Apache 2.0
- MIT
- EDL 1.0
- The Universal Permissive License (UPL), Version 1.0
- Others

4.1.1 Apache 2.0

4.1.1.1 cglib

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

4.1.1.3 pytesseract

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zlib

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FreeType font driver for BDF fonts

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* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50
*
* taken from Mark Leisher's xmbdfed package

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

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md5 code in genauth.c implements something close to the MD5 message-digest algorithm. This code is based on code written by Colin Plumb in 1993, no copyright is claimed.

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4.1.1.4 python-dateutil

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4.1.1.5 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

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4.1.1.10 jackson-dataformat-xml

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4.1.1.11 jackson-jaxrs-json-provider

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4.1.1.12 POI

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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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4.1.1.13 Velocity Engine

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4.1.1.14 jjwt

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4.1.1.16 modelmapper

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4.1.1.19 Spring Boot

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The primary ANTLR guy:

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

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

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

Nick Cronin (Quintok@github)

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

James Lorenzen (jlorenzen@github)

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

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd

- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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may be obtained from:

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- javaee_6.xsd

- javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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Eclipse

The following artifacts are EPL.

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

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javafx.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

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

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

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

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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4.1.1.20 spring-cloud-stream

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- jsp_2_2.xsd
- web-app_3_0.xsd
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- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
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Last revised by Reagle \$Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) \$

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4.1.1.23 netty-codec-http

Top Level Component : netty-codec-http 4.1.52.Final

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4.1.1.24 netty-transport-native-epoll

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4.1.1.25 Spring Cloud Sleuth

Top Level Component : Spring-Cloud-Sleuth 2.2.5

Top Level Sub-Components:

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

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* HOMEPAGE:

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Credits

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=====
4th Party Component #8: jetty

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

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The following artifacts are EPL.

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

The following artifacts are EPL and ASL2.

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

The following artifacts are EPL and CDDL 1.0.

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

Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

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

OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from

following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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4th Party Component #14: jline

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3. netty-common.jar
4. netty-handler.jar

5. netty-resolver.jar
6. netty-transport.jar
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=====
4.1.1.28 Simple Logging Facade for Java (SLF4J)

jcl-over-slf4j

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4.1.1.29 jslt

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4.1.1.30 JsonPath

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4.1.1.31 math.js

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4.1.1.32 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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4.1.1.33 jackson-dataformat-cbor

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4.1.1.34 camel-core

Top Level Component : camel-core-3.5.0

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4.1.1.35 spring-cloud-config-client

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4.1.1.36 spring-cloud-config-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 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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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd

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- javaee_web_services_client_1_4.xsd
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- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd

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4.1.1.37 spring-cloud-starter-config

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4th Party Component #9 jakarta.annotation-api

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4.1.1.38 spring-cloud-netflix-core

Top Level Component : Spring-Cloud-Netflix-Core

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4th Party Component #1 aspectjweaver

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4.1.1.39 spring-cloud-starter-netflix-zuul

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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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```
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- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- web-common_3_1.xsd
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- jsp_2_2.xsd
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4.1.1.40 spring-cloud-netflix-eureka-client

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4.1.1.41 spring-cloud-starter-netflix-eureka-client

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 */
```

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 */
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4.1.1.42 camel-cxf

Top Level Component : camel-cxf-3.5.0

Top Level SubComponent/Modules:

(camel-api-3.5.0.jar, camel-attachments-3.5.0.jar, camel-base-3.5.0.jar, camel-bean-3.5.0.jar, camel-core-catalog-3.5.0.jar, camel-core-engine-3.5.0.jar, camel-core-languages-3.5.0.jar, camel-core-xml-3.5.0.jar, camel-cxf-transport-3.5.0.jar, camel-health-3.5.0.jar, camel-http-base-3.5.0.jar, camel-main-3.5.0.jar, camel-management-api-3.5.0.jar, camel-spring-3.5.0.jar, camel-support-3.5.0.jar, camel-tooling-model-3.5.0.jar, camel-util-3.5.0.jar, camel-util-json-3.5.0.jar, camel-xml-jaxb-3.5.0.jar, camel-xml-jaxp-3.5.0.jar)

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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_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd

- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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

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Java compilation software for JSP pages is provided by the Eclipse JDT Core Batch Compiler component, which is open source software. The original software and related information is available at <https://www.eclipse.org/jdt/core/>.

org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer. <https://github.com/RobertFischer/json-parser>

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration

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The org.apache.catalina.tribes.membership.cloud package contains derivative

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<https://github.com/jgroups-extras/jgroups-kubernetes>

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd

- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd

- javaee_6.xsd

- javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd

- jsp_2_2.xsd

- web-app_3_0.xsd

- web-common_3_0.xsd

- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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

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4.1.1.48 importlib-metadata

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`jackson-jq/src/test/resources`

These files are generated from files in stedolan/jq repository:

`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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Jackson JSON processor

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

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

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

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Initial authors:

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4.1.1.50 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
- web-app_4_0.xsd
- web-common_4_0.xsd

- web-fragment_4_0.xsd

may be obtained from:

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

=====

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

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4.1.1.52 velocity-tools-generic

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4.1.1.53 swagger-ui

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4.1.1.54 mapstruct

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4.1.1.55 Tesseract

Tesseract 4.1.1

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4.1.1.56 micrometer-registry-prometheus

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4.1.1.57 tika-core

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4.1.1.58 tess4j

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

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4.1.2 EDL 1.0

4.1.2.1 EclipseLink

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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```
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 *
 */
```

=====
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```
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```

=====
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```
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*/

=====
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```
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=====
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```
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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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process-nextick-args@2.0.1
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safe-buffer@5.1.2

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string_decoder@1.1.1

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util-deprecate@1.0.2

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4.1.3.5 Knockout.js

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4.1.3.6 Configparser

Top Level Component : configparser 5.0.0
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4.1.3.7 datefinder

Top Level Component : datefinder 0.7.1

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Fourth Party Dependency #4 Name : six-1.15.0
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4.1.3.8 pyap

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4.1.3.9 pdf2image

Top Level Component : pdf2image 1.14.0

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4.1.3.10 lodash

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4.1.3.11 python-magic

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js/libs/oj/v9.0.0/ojL10n.js (requireJS i18n)		MIT
js/libs/proj4js/dist/proj4.js		Proj4js
js/libs/require/require.js		MIT
js/libs/require/text.js	MIT	
js/libs/require-css/css.min.js (require-css)		MIT
js/libs/webcomponents/custom-elements.min.js		custom-elements
scss/oj/v9.0.0/3rdparty/normalize/normalize.scss		MIT
js/libs/touchr/touchr.js	MIT	
js/libs/oj/v9.0.0/min/ojvcomponent.js (petit-dom.js)		MIT

```
/*!
 * chai
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 */

/*
 * expression-eval - v2.0.0
 * https://github.com/donmccurdy/expression-eval
```

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*/

/*
* jsep - v0.3.4
* <https://github.com/soney/jsep>
* Copyright (c) 2013 Stephen Oney, <http://jsep.from.so/>
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*/

/*!
Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)
By: Brian M Hunt (C) 2015 | License: MIT
*/

/*
* petit-dom - v0.2.2
* <https://github.com/yelouafi/petit-dom>
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/**
* webcomponents/custom-elements - v1.1.2
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*/


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 * http://proj4js.org/
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 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 - v2.0.8 - 2016-04-22
 * http://hammerjs.github.io/
 *
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 */
```

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)
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 http://www.opensource.org/licenses/mit-license.php
 http://www.gnu.org/licenses/gpl.html"
 */
```

```
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* <http://jqueryui.com>
* Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js
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/*!
* jQuery JavaScript Library v3.5.1
* <http://jquery.com/>
*
* Includes Sizzle.js
* <http://sizzlejs.com/>
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*
* Date: 2014-12-18T15:11Z
*/

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

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* see: <http://github.com/requirejs/text> for details
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*/

/*!
* Knockout JavaScript library v3.5.1
* (c) Steven Sanderson - <http://knockoutjs.com/>
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===== Proj4js =====

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4.1.5 Others

4.1.5.1 jQuery

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external/sizzle

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
July 15, 2018

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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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/*

*

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

```
*
* taken from Mark Leisher's xmbdfed package
*
*/
```

```
#####
#####
```

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

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002
```

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Jean-loup Gailly	Mark Adler
jloup@gzip.org	madler@alumni.caltech.edu

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

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

```
#####
#####
```

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4.1.5.3 scikit-image

Top Level Component : scikit-image 0.17.2

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4.1.5.6 py4j

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4.1.5.7 six

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4.1.5.8 pybase64

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4.1.5.11 Moment.js

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Mersenne Twister

The :mod:`_random` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and
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Asynchronous socket services

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls

The :mod:`xmlrpc.client` module contains the following notice::

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SipHash24

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Original location:

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

Solution inspired by code from:

Samuel Neves ([supercop/crypto_auth/siphash24/little](https://github.com/supercop/crypto_auth/siphash24/little))

djb ([supercop/crypto_auth/siphash24/little2](https://github.com/supercop/crypto_auth/siphash24/little2))

Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

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cfuhash

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

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libmpdec

The `:mod:`_decimal`` module is built using an included copy of the libmpdec library unless the build is configured `--with-system-libmpdec`::`

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4.1.5.14 NumPy

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4.1.5.15 JSON

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