

Licensing Guide
Oracle Banking Trade Finance Process Management
Release 14.5.4.0.0
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Licensing Guide
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Version 14.5.4.0.0

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1. Preface

1.1 Introduction

This document helps you understand the guiding rules for Oracle Banking Trade Finance 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 Trade Finance 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 Trade Finance Process Management Licensing</i> provides information on <i>Oracle Banking Trade Finance Process Management</i> licensing.
Chapter 3	<i>Software Pre-requisites</i> consists of the technology pre-requisites required for <i>Oracle Banking Trade Finance Process Management</i> .
Chapter 4	<i>Third Party Licenses</i> provides information on licensing of third party software packaged along with <i>Oracle Banking Trade Finance Process Management</i> .

1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle Banking Trade Finance Process Management User Manuals

2. Oracle Banking Trade Finance Process Management Licensing

2.1 Introduction

This chapter provides information on Oracle Banking Trade Finance 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 Trade Finance Process Management.

2.3 Components Included in License

Not applicable to Oracle Banking Trade Finance 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 Trade Finance Process Management	Not applicable	\$M in Trade Under Management

2.5 Restricted Use License

Not applicable to Oracle Banking Trade Finance Process Management.

3. Software Prerequisites

3.1 Tech Stack - Oracle

Following are the separately licensable software prerequisites for Oracle Banking Trade Finance Process Management Product.

Component	Machine	Operating System	Software	Version Number
Oracle Banking Trade Finance Process Management	Application Server	Oracle Linux Server release 8.3 (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 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.10.0.0.0
	Reporting Server	Oracle Enterprise Linux 8.3 (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 8.3 (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

Component	Machine	Operating System	Software	Version Number
		Client Machines#Browser Support is strictly tied to the Browser itself, and no longer based on the Operating System. Current release is certified on client workstations with Windows 10 and Mac	Microsoft Edge	89+
			Mozilla Firefox	87+
			Google Chrome	88+
			Apple Safari	14+
			Microsoft Edge	89+

4. Third Party Licenses

4.1 Introduction

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

- Jakarta Mail
- Apache 2.0

4.1.1 Apache 2.0

The following libraries include software developed by The Apache Software Foundation (<http://www.apache.org/>).

For license information, See “Apache License 2.0”

- tika-core – 1.25
- Apache FOP – 2.5
- Velocity Engine – 2.2
- camel-core – 3.5.0
- camel-cxf – 3.5.0
- camel-resilience4j – 3.5.0
- Avro – 1.10.0
- Commons FileUpload – 1.4
- Commons IO – 2.8.0
- Kafka – 2.6.0
- OpenNLP-tools – 1.9.3
- PDFBox – 2.0.18
- POI – 4.1.2
- ZooKeeper – 3.6.2
- cglib – 3.3.2
- spring-cloud-netflix-eureka-client – 2.2.5.RELEASE
- spring-cloud-netflix-eureka-server – 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-client – 2.2.5.RELEASE
- spring-cloud-starter-netflix-eureka-server – 2.2.5.RELEASE
- spring-cloud-starter-netflix-zuul – 2.2.5.RELEASE
- velocity-tools-generic – 3.0-422ed61

4.1.2 Pivotal Software, Inc

The below library include software developed by Pivotal Software, Inc

- spring-cloud-netflix-core - 2.2.5.RELEASE
- spring-cloud-config-client - 2.2.5.RELEASE
- spring-cloud-config-server - 2.2.5.RELEASE

- spring-cloud-starter-config - 2.2.5.RELEASE
- Spring Security - 5.3.4.RELEASE
- Spring-Security-Oauth - 2.5.0.RELEASE
- spring-cloud-stream - 3.0.8.RELEASE
- spring-cloud-stream-binder-kafka - 3.0.8.RELEASE
- Spring Boot – 2.3.3 RELEASE
- Spring Cloud Sleuth - 2.2.5.RELEASE

4.1.3 The Netty Project

- netty-codec-http - 4.1.52.Final
- netty-transport-native-epoll - 4.1.52.Final

4.1.4 FasterXML, LLC

- jackson-dataformat-xml - 2.11.2
- jackson-jaxrs-json-provider -2.11.2
- jackson-dataformat-cbor - 2.11.2

4.1.5 Smart Bear Software

- swagger-annotations - 1.6.2
- swagger-parser - 2.0.22
- swagger-ui – 3.39.0

4.2 Third Party Licenses

4.2.1 datefinder – 0.7.1

Top Level Component : datefinder 0.7.1
Top Level Component License : MIT

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Top Level Component Copyright :
The MIT License (MIT)

Copyright (c) 2015 Alec Koumjian

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Fourth Party Dependency #1 Name : python-dateutil-2.8.1
Fourth Party Dependency #1 License : Apache Software License, BSD License (Dual License)
Fourth Party Dependency #1 Copyright :

Copyright 2017- Paul Ganssle <paul@ganssle.io>
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dateutil - Extensions to the standard Python datetime module.

Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright (c) 2012-2014 - Tomi Pieviläinen <tomi.pievilainen@iki.fi>
Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>
Copyright (c) 2015- - Paul Ganssle <paul@ganssle.io>
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Fourth Party Dependency #2 Name : pytz-2020.1
Fourth Party Dependency #2 License : MIT
Fourth Party Dependency #2 Copyright :

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Fourth Party Dependency #3 Name : regex-2020.9.27
Fourth Party Dependency #3 License : Python Software Foundation License (Apache Software License)
Fourth Party Dependency #3 Copyright :

Copyright (c) 1997-2001 by Secret Labs AB. All rights reserved.

This version of the SRE library can be redistributed under CNRI's Python 1.6 license. For any other use, please contact Secret Labs AB (info@pythonware.com).

Portions of this engine have been developed in cooperation with CNRI. Hewlett-Packard provided funding for 1.6 integration and other compatibility work.

=====

Fourth Party Dependency #4 Name : six-1.15.0
Fourth Party Dependency #4 License : MIT
Fourth Party Dependency #4 Copyright :

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=====
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<https://github.com/ahupp/python-magic>
Note – The component has NO 4th party components.

4.2.2 python-magic – 0.4.18

URL for License and Copyright Notice - <https://github.com/ahupp/python-magic/blob/master/LICENSE>
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LICENSE NAME: MIT

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Note – The component has NO 4th party components.

4.2.3 six – 1.15.0

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4.2.4 jQuery – 3.5.1

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external/sizzle

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====

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4.2.5 JSON – 20200518

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4.2.6 Configparser – 5.0.0

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4.2.8 lodash – 4.17.20

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4.2.10 Moment.js – 2.24.0

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4.2.11 pyap – 0.3.1

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

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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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4.2.14 tika-core – 1.25

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4.2.15 Apache FOP – 2.5

Top Level Component : xmlgraphics-fop 2.5

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4.2.17 camel-core – 3.5.0

Top Level Component : camel-core-3.5.0

Top Level Sub-Component/Modules :

(camel-api-3.5.0.jar, camel-base-3.5.0.jar, camel-bean-3.5.0.jar, camel-browse-3.5.0.jar, camel-caffeine-lrucache-3.5.0.jar, camel-cluster-3.5.0.jar, camel-controlbus-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-dataformat-3.5.0.jar, camel-dataset-3.5.0.jar, camel-direct-3.5.0.jar, camel-directvm-3.5.0.jar, camel-file-3.5.0.jar, camel-health-3.5.0.jar, camel-language-3.5.0.jar, camel-log-3.5.0.jar, camel-management-api-3.5.0.jar, camel-mock-3.5.0.jar, camel-ref-3.5.0.jar, camel-rest-3.5.0.jar, camel-saga-3.5.0.jar, camel-scheduler-3.5.0.jar, camel-seda-3.5.0.jar, camel-stub-3.5.0.jar, camel-support-3.5.0.jar, camel-timer-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-validator-3.5.0.jar, camel-vm-3.5.0.jar, camel-xml-jaxb-3.5.0.jar, camel-xml-jaxp-3.5.0.jar, camel-xpath-3.5.0.jar, camel-xslt-3.5.0.jar)

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4.2.18 camel-cxf – 3.5.0

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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4.2.20 importlib-metadata – 1.7.0

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4.2.22 flyway-core – 6.5.5

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4.2.23 **EclipseLink – 2.7.7**

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eclipselink

org.eclipse.persistence.jpaa

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```

4th Party Component #5 org.eclipse.persistence.core

```
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```
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```

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

```
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```
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4.2.24 pdf2image – 1.14.0

Top Level Component : pdf2image 1.14.0
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Top Level Component : jackson-dataformat-cbor 2.11.2

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4.2.27 **jackson-jaxrs-json-provider – 2.11.2**

jackson-jaxrs-json-provider

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4.2.28 Guava – 29.0

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4.2.29 Tesseract – 4.1.1

Tesseract 4.1.1

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4.2.33 mapstruct – 1.4.2 Final

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4.2.34 pytesseract – 0.3.4

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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

*

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

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*/

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libXau

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4.2.35 Conductor – 2.30.1

Top Level Component: Conductor

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Fourth Party Dependency # 33 : elasticsearch (aggs-matrix-stats-client,elasticsearch,elasticsearch-rest-client, elasticsearch-rest-high-level-client,elasticsearch-cli, elasticsearch-core , elasticsearch-geo , elasticsearch-secure-sm , elasticsearch-ssl-config , elasticsearch-x-content,lang-mustache-client,mapper-extras-client,parent-join-client,percolator-client,rank-eval-client,reindex-client,transport,transport-netty4-client)

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jackson-jq/src/test/resources

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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

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4.2.36 NumPy – 1.19.0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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```

```

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 * Copyright(c) 2011-2014 Jake Luer <jake@alogicalparadox.com>
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 */

```

```

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

```

```

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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
 * Copyright (C) 2017 Yassine Elouafi;
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```

```

/**
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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  
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*/
```

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```
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 * 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 v3.5.1  
 * http://jquery.com/  
 *  
 * Includes Sizzle.js
```

```

* http://sizzlejs.com/
*
* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
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*
* Date: 2014-12-18T15:11Z
*/

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* JS Signals <http://millermedeiros.github.com/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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* Knockout JavaScript library v3.5.1
* (c) Steven Sanderson - http://knockoutjs.com/
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4.2.40 spring-cloud-netflix-core – 2.2.5. Release

Top Level Component : Spring-Cloud-Netflix-Core

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4th Party Component #1 aspectjweaver

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4.2.41 Spring Cloud Sleuth – 2.2.5.RELEASE

Top Level Component : Spring-Cloud-Sleuth 2.2.5

Top Level Sub-Components:

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

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4.2.42 Spring Security – 5.3.4.RELEASE

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

TOP LEVEL SUBCOMPONENTS

spring-security-core-5.3.4.RELEASE.jar

spring-security-ldap-5.3.4.RELEASE.jar

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4.2.44 spring-cloud-config-client – 2.2.5.RELEASE

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4.2.45 spring-cloud-config-server – 2.2.5.RELEASE

Top Level Component : 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 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-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>

=====

4.2.46 spring-cloud-starter-config – 2.2.5. RELEASE

Top Level Component : spring-cloud-starter-config

Top Level Component License : Apache License

Version 2.0, January 2004

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4.2.47 spring-cloud-stream – 3.0.8.RELEASE

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Other developers who have contributed code are:

* Brian Langel

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

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

Henning Schmiedehausen (hgschmie@github)

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

Jerome Loisel (jloisel@github)

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

Peter Royal (osi@github)

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

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

* Reported, contributed fix 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-common_3_0.xsd`
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- `jsp_2_3.xsd`
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- `web-common_3_1.xsd`
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- web-app_3_0.xsd
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- web-app_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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4.2.48 spring-cloud-stream-binder-kafka – 3.0.8.RELEASE

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Jackson JSON processor

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4th Party Component #6 jakarta-annotation-api

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```
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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
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- javaee_7.xsd
- javaee_web_services_1_4.xsd
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- jsp_2_3.xsd
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- web-common_3_1.xsd

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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 The `org.apache.tomcat.jni` and the `org.apache.tomcat.net.openssl` packages are derivative work originating from the Netty project and the `finagle-native` project developed at Twitter

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For portions of the Tomcat cloud support

The org.apache.catalina.tribes.membership.cloud package contains derivative work originating from the jgroups project.

<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:

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

=====

4th Party Component #144 websocket-api

4th Party Component #145 websocket-client

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Eclipse

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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>

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

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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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4.2.50 Python – 3.8.6

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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 `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services

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Execution tracing

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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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Select kqueue

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SipHash24

The file `:file:`Python/pyhash.c`` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

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

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphash24/little)

djb (supercop/crypto_auth/siphash24/little2)

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

strtod and dtoa

The file `:file:`Python/dtoa.c``, which supplies C functions `dtoa` and `strtod` for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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OpenSSL

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zlib

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

cfuhash

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

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4.2.52 Simple Logging Facade for Java (SLF4J) – 1.7.30

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4.2.55 jslt – 0.1.9

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4.2.57 swagger-annotations – 1.6.2

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4.2.58 swagger-parser – 2.0.22

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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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4.2.59 swagger-ui – 3.39.0

Top Level Component : Swagger UI

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set-immediate-shim 1.0.1
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string_decoder@1.1.1

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util-deprecate@1.0.2

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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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=====
Sub-components

- =====
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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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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Eclipse

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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 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

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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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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,

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2. netty-codec.jar
3. netty-common.jar
4. netty-handler.jar
5. netty-resolver.jar
6. netty-transport.jar
7. netty-transport-native-epoll.jar
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4.2.70 **cglib – 3.3.0**

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4th Party Component #1 aspectjweaver

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4th Party Component #2 jakarta-annotation-api
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4.2.72 spring-cloud-netflix-eureka-server – 2.2.5. RELEASE

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

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

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

Henning 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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* This interface declares a simple filter interface that one can

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* @version 1.0

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

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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
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4.2.73 spring-cloud-starter-netflix-eureka-client – 2.2.5.RELEASE

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=====

```
=====  
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```

```
/* Jackson JSON-processor.  
 *  
 * Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi  
 */
```

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```
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4.2.74 spring-cloud-starter-netflix-eureka-server – 2.2.5.RELEASE

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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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* This interface declares a simple filter interface that one can

* create to filter XMLEventReaders

* @version 1.0

* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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- `javaee_web_services_1_2.xsd`

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- 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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*  
  
* $Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp $  
  
*/
```

```
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```

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4.2.75 spring-cloud-starter-netflix-zuul – 2.2.5.RELEASE

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 Andy Clement initial implementation

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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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```
=====
4th Party Component #28      : jackson-module-parameter-names
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```

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Jackson JSON processor

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```
=====
4th Party Component #29      jakarta-annotation-api
```

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`org.apache.tomcat.util.json.JSONParser.jj` is a public domain javacc grammar
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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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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar

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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
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4.2.77 netty-codec-http – 4.1.52 Final

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4.2.78 netty-transport-native-epoll – 4.1.52 Final

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4.2.83 math.js – 5.9.0

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4.2.84 jjwt – 0.11.2

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4.2.86 scikit-image – 0.17.2

Top Level Component : scikit-image 0.17.2

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and

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