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License Guide - On-Premise

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1. Preface

1.1 Introduction

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

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

1.2 Audience

This document is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookupctx=acc&id=docacc.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	*Preface* gives information on the intended audience. It also lists the various chapters covered in this license guide.
Chapter 2	*Oracle FLEXCUBE Universal Banking Licensing* provides information on Oracle FLEXCUBE Universal Banking licensing.
Chapter 3	*Software Pre-requisites* consists of the technology pre-requisites required for Oracle FLEXCUBE Universal Banking.
Chapter 4	*Third Party Licenses* provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking.

1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE User Manuals

2. Oracle FLEXCUBE Universal Banking Licensing

2.1 Introduction

This chapter provides information on Oracle FLEXCUBE Universal Banking 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

The following table lists out the modules, which are primarily retail or corporate. The licensing rule against each of them defines how these modules will get licensed based on the usage of the bank.

Sl. No.	Module Description	Licensing Rule(s)
Retail Modules		
1	Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	If the customer is using Universal Banking for Retail programs, these applications may only be licensed by the Account metric. However, if the customer is using Universal Banking for Corporate, and is not using Universal Banking for Retail, then a customer may license these programs under the Application User metric.
2	Oracle FLEXCUBE Universal Banking Standing Instructions	

Sl. No.	Module Description	Licensing Rule(s)
Corporate Modules		
3	Oracle FLEXCUBE Universal Banking Nostro Reconciliation	If the customer is using Universal Banking for Corporate programs, these applications may only be licensed by the Application User. However, if the customer is using Universal Banking for Retail, and is not using Universal Banking for Corporate, then a customer may license these programs under the Account metric.
4	Oracle FLEXCUBE Universal Banking Commercial Leasing	
5	Oracle FLEXCUBE Integration Gateway	

2.3 Components Included in License

The following components are included in the Oracle FLEXCUBE Universal Banking license:

1. **Signature Verification**: is included with Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts license.
2. **Islamic Banking Support**: The following Oracle FLEXCUBE Universal Banking module licenses have support for Islamic Banking.
   - Oracle FLEXCUBE Universal Banking Base
   - Oracle FLEXCUBE Universal Banking Asset Management
   - Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts
   - Oracle FLEXCUBE Universal Banking Fixed Assets
   - Oracle FLEXCUBE Universal Banking Relationship Pricing
   - Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans
   - Oracle FLEXCUBE Universal Banking Term Deposits
   - Oracle FLEXCUBE Universal Banking Islamic Commercial Lending and Leasing

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 FLEXCUBE Universal Banking Base*	• Oracle FLEXCUBE Development Workbench • Oracle FLEXCUBE Integration Gateway	• Application User • Custom Suite User • Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Process Framework Base	• Oracle FLEXCUBE Development Workbench	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Relationship Pricing	• Oracle FLEXCUBE Universal Banking Base • Either Oracle FLEXCUBE Universal Banking Current Accounts & Savings Accounts OR Oracle FLEXCUBE Universal Banking Term Deposits	• Account
Oracle FLEXCUBE Universal Banking Term Deposits	• Oracle FLEXCUBE Universal Banking Base	• Account
Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Nostro Reconciliation	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Standing Instructions	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking ATM Interface	• Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Point of Sale Interface	• Oracle FLEXCUBE Universal Banking Base	• Account • Financial Inclusion Account

Oracle FLEXCUBE Universal Banking Interactive Voice Response Interface	• Oracle FLEXCUBE Universal Banking Base	• Account
Oracle FLEXCUBE Universal Banking Mortgages	• Oracle FLEXCUBE Universal Banking Base	• Account
Oracle FLEXCUBE Universal Banking Consumer Leasing	• Oracle FLEXCUBE Universal Banking Base	• Account
Oracle FLEXCUBE Universal Banking Commercial Leasing	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Universal Banking Inventory Management	• Oracle FLEXCUBE Universal Banking Base • Oracle FLEXCUBE Universal Banking Current Accounts & Savings Accounts	• Account
Oracle FLEXCUBE Universal Banking Microfinance	• Oracle FLEXCUBE Universal Banking Base • Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• Account
Oracle FLEXCUBE Universal Banking Safe Deposit Box	• Oracle FLEXCUBE Universal Banking Base	• Account
Oracle FLEXCUBE Universal Banking Corporate Deposits	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Fixed Assets	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Asset Management	• FLEXCUBE Universal Banking Base and Oracle Banking Treasury Management	• Application User • Custom Suite User
Oracle FLEXCUBE Universal Banking Expense Processing	• Oracle FLEXCUBE Universal Banking Base	• Application User • Custom Suite User

Oracle FLEXCUBE Universal Banking Islamic Commercial Lending and Leasing	• Oracle FLEXCUBE Universal Banking Base	• Account • Application User • Custom Suite User
Oracle FLEXCUBE Open Development Tools		
Oracle FLEXCUBE Development Workbench	• Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits Management, Oracle Banking Collateral Management or Oracle Banking Corporate Lending, Oracle Banking Payments, Oracle Banking Trade Finance or Oracle Banking Treasury Management	• Application User
Oracle FLEXCUBE Interfaces and Tools		
Oracle FLEXCUBE Integration Gateway	• Either of Oracle FLEXCUBE Universal Banking Base or Oracle Banking Enterprise Limits Management, Oracle Banking Collateral Management or Oracle Banking Corporate Lending, Oracle Banking Payments, Oracle Banking Trade Finance or Oracle Banking Treasury Management	• 10K API Calls • Account • Processor • Financial Inclusion Account
Oracle FLEXCUBE Universal Banking Connector for Oracle Identity Manager	• Oracle FLEXCUBE Universal Banking Base	• Connector

* When Component pricing model is used, Oracle FLEXCUBE Universal Banking Base program should be licensed for cumulative number of Application Users of Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Open Development Tools and Oracle FLEXCUBE Interfaces and Tools programs.

When licensing Oracle FLEXCUBE Universal Banking modules by Account metric, quantity of Accounts licensed for each Oracle FLEXCUBE Universal Banking module including Base must be same. The sum of Accounts across all licensed modules (excluding Base) on Account metric is to be used as the quantity to be licensed. For example, if customer needs 1,000,000 Accounts of Current Accounts and Savings Accounts, 400,000 Accounts of Term Deposits and 100,000 Accounts of Retail and Small and Medium Enterprise Loans; quantity of 1,500,000 Accounts needs to be licensed for **each** of Base, Current Accounts and Savings Accounts, Term Deposits and Retail and Small and Medium Enterprise Loans modules.

When licensing Oracle FLEXCUBE Universal Banking modules by Custom Suite User metric, quantity of CAS users licensed for each Oracle FLEXCUBE Universal Banking module including Base must be the same.

NOTE: # For sending SWIFT FIN messages generated in FLEXCUBE to SWIFT network or for sending FIN messages from SWIFT network to FLEXCUBE, Oracle Banking Payments Cross Border Payments Connectivity Pack 1 SKU needs to be licensed.

2.5 Restricted Use License

The following modules have restricted features or functionality for use under the license metric Financial Inclusion Account.

Product or Component	Restrictions/Features Omitted
Oracle FLEXCUBE Universal Banking Base	• Customer creation along with account creation is done in a single go without the option of Signature capture and verification. • These customers will not have the Limits linkage • Only Individual type of customers alone can be created. (Corporate/ Bank kind of customers cannot be created)
Oracle FLEXCUBE Universal Banking Current Accounts and Savings Accounts	• System will allow the FI customer to open only a Single Holder savings CASA account and in branch currency only • Temporary OD on FI customer's CASA accounts is allowed for a short term without attaching any collateral or credit line backing. • Allow mapping an account class with only a single IC product of type "Interest". This IC product is restricted to contain only general conditions and One Debit and One Credit product attached to it. • Check book and Debit card features are not available for FI customer accounts. • The account cannot be salary account

Product or Component	Restrictions/Features Omitted
Oracle Banking Branch	• Allow only the below Branch transactions for a FI customer, • Cash Deposit • Cash Withdrawal • Transfers • Utility payment without external Utility Provider interface
Oracle FLEXCUBE Universal Banking ATM Interface	No restrictions brought in.
Oracle FLEXCUBE Integration Gateway	No restrictions brought in.
Oracle FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• Following loan features are not available for Financial Inclusion Customer ▪ Origination / Onboarding ▪ Auto disbursement ▪ Rate revisions ▪ Provisioning ▪ Re-negotiation ▪ Amendments • FI Loans are only created in Branch currency • A new screen is made available for loan account input for FI customer
Oracle FLEXCUBE Universal Banking Point of Sale Interface	No restrictions brought in.

3. Software Pre-requisites

Following are the separately licensable software prerequisites for Oracle FLEXCUBE Universal Banking Products.

3.1 Software Prerequisites

3.1.1 Tech Stack – Oracle

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Universal Banking	UI-Host and Centralized	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Fusion Middleware Infrastructure	12.2.1.4.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	1.8 Update 281
				Open Symphony Quartz	2.3.2
		Document Management System	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
				JDK	1.8 Update 281
				Oracle Database (for RCU)	19.10.0.0.0
				Repository Creation Utility	12.2.1.4.0
				Oracle WebCenter Content Imaging	12.2.1.4.0
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.10.0.0.0
		Reporting Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic	12.2.1.4.0
				JDK	1.8 Update 281
				Oracle Analytical Server (Oracle BI Publisher)	5.9.0
		Client Systems	Windows 10	Mozilla Firefox	83+
		Client Systems		Google Chrome	88+
				Microsoft Edge	89+
			Mac OS X	Mozilla Firefox	Mozilla Firefox for Mac (87+)
				Safari	14+
				Google Chrome	88+

		Single Sign On Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	1.8 Update 281
				Oracle WebLogic	12.2.1.4.0
				Repository Creation Utility	12.2.1.4.0
				Oracle Identity Management	12.2.1.4.0
				Oracle Identity And Access Management	12.2.1.4.0
				Oracle Webtier Utilities	12.2.1.4.0
				Oracle Webgate	12.2.1.4.0
Oracle FLEXCUBE Universal Banking Integration Gateway	Web services (incoming)	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	12.2.1.4.0
	HTTP Servlet (incoming)				
	EJB (incoming)				
	MDB (incoming)				
	Notifications (outgoing)				
Oracle FLEXCUBE Universal Banking	Switch Integration Gateway	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	1.8 Update 281
Switch Integration Gateway					
Oracle FLEXCUBE Universal Banking REST	Web services	Integration Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	JDK	1.8 Update 281
				Oracle WebLogic Server	12.2.1.4.0
				Oracle Toplink	12.2.1.4.0
Oracle FLEXCUBE Machine Learning	Centralized	Machine Learning Server	Oracle Enterprise Linux server 8.3 (x86 64 bit)	OML4R (Previously Oracle R Enterprise)	1.5.1
Oracle FLEXCUBE Oracle Digital Assistant Integration	Centralized	Application Server	Oracle Enterprise Linux server 8.3 (x86 64 bit)	oda-native-client-sdk-js	20.3.1

Note: Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter which Operating Systems they are installed on. Current release is certified on client workstations with Windows 7, 8, 10 and Mac OS X.

3.2 Module-wise Software Prerequisites

Product Name	Product Version	Requirements
Oracle Fusion Middleware Infrastructure	12.2.1.4.0	Optional - Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway supports both Oracle Weblogic Server (Fusion Middleware) and WebSphere.
Java HotSpot(TM) JDK (with WebLogic Application Server)	JDK 1.8 Update 241	Optional – Required for Oracle FLEXCUBE Universal Banking and Oracle FLEXCUBE Universal Banking Integration Gateway on WebLogic.
Open Symphony Quartz	2.3.2	Standard requirement
Oracle Toplink	12.2.1.4.0	Optional - Required only if limits tracking is required.
Oracle WebCenter Content Imaging	12.2.1.4.0	Optional - Required only if Document Management System integration is required. Refer to section 3.1.1 for other related software (Document Management System).
Oracle RDBMS Enterprise Edition	19.6.0.0.0	Standard requirement
Oracle Analytical Server	5.5.0	Standard requirement. Refer to section 3.1.1 for dependent software (Reporting Server & FLEXCUBE Information Server – Analytics).
Oracle Golden Gate	19.1.0.0.4	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server - Data warehouse).
Oracle Data integrator	12.2.1.4.0	Optional - Required only if Oracle FLEXCUBE Information Server is installed. Refer to section 3.1.1 for dependent software (FLEXCUBE Information Server - Data warehouse).
Oracle Identity Management (OID)	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).

Product Name	Product Version	Requirements
Oracle Identity And Access Management	12.2.1.4.0	Optional - Required if Single Sign On is required. Refer to section 3.1.1 for dependent software (Single Sign On Server).
Oracle RDBMS Standard Edition (SE2)	19.6.0.0.0	Optional - Required if decentralized branch support is required. Refer to section 3.1.1 for related software (Decentralized branch).
Oracle SOA Suite	12.2.1.4.0	Optional - Required for Oracle FLEXCUBE Universal Banking Origination.
Oracle BPM Suite	12.2.1.4.0	Optional - Required for Oracle FLEXCUBE Universal Banking Origination.

4. Third Party Licenses

4.1 Introduction

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

- Apache License Version 2.0
- MIT License
- Eclipse Public License 2.0
- BSD License

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Spring Boot

Top Level Component : Spring-Boot 2.3.3 ----------

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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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Copyright © 2019 FasterXML. All rights reserved. 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<Interface> (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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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 * Copyright 2014 The Netty Project * Copyright 2014 Twitter

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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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

------ Assorted

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log4j-over-slf4j

Top Level Component : log4j-over-slf4j-1.7.30.jar ----------

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

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

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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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Copyright © 2019 FasterXML. All rights reserved. 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<Interface> (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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spring-cloud-netflix-eureka-client

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Copyright © 2019 FasterXML. All rights reserved. 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<Interface> (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 Annotations

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