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Preface

This book contains information about the licenses that are granted to Oracle by the owners of third-party software that is used in the Oracle GoldenGate software.

Audience

This document is intended for use by all purchasers of Oracle GoldenGate software.

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Related Information

The Oracle GoldenGate Product Documentation is available from the following location:

Oracle GoldenGate Documentation

Oracle GoldenGate for Big Data Documentation:

Oracle GoldenGate for Big Data

For OCI GoldenGate, refer to:

OCI GoldenGate

For details on Oracle Database High Availability, see:

Oracle Database High Availability

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, such as "From the File menu, select Save ." Boldface also is used for terms defined in text or in the glossary.



Convention	Meaning
italic	Italic type indicates placeholder variables for which you supply particular
italic	values, such as in the parameter statement: TABLE table_name. Italic type also is used for book titles and emphasis.
monospace	Monospace type indicates code components such as user exits and scripts;
MONOSPACE	the names of files and database objects; URL paths; and input and output text that appears on the screen. Uppercase monospace type is generally used to represent the names of Oracle GoldenGate parameters, commands, and user-configurable functions, as well as SQL commands and keywords.
UPPERCASE	Uppercase in the regular text font indicates the name of a utility unless the name is intended to be a specific case.
{}	Braces within syntax enclose a set of options that are separated by pipe symbols, one of which must be selected, for example: {option1 option2 option3}.
[]	Brackets within syntax indicate an optional element. For example in this syntax, the SAVE clause is optional: CLEANUP REPLICAT group_name [, SAVE count]. Multiple options within an optional element are separated by a pipe symbol, for example: [option1 option2].



1

Licensing Information

This chapter describes the licensing information for the Oracle GoldenGate products.

Oracle GoldenGate Products

For details on a supported database platform for your product version please refer to the Oracle Fusion Middleware Supported System Configurations (http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html) and/or the certification tab under My Oracle Support (for supported customers only; http://support.oracle.com).

Oracle GoldenGate technology includes the following separately licensed products:

- Oracle GoldenGate
- Oracle GoldenGate for Non-Oracle Database
- Oracle GoldenGate for Mainframe
- Oracle GoldenGate for Teradata Replication Services
- Oracle GoldenGate Application Adapters
- Oracle GoldenGate for Distributed Applications and Analytics
- Oracle GoldenGate Veridata
- Oracle GoldenGate Foundation Suite
- Oracle GoldenGate for Big Data Targets
- Third-Party Products and Details for Oracle GoldenGate Monitor
- Third-Party Products and Details for Oracle GoldenGate Studio
- · Oracle GoldenGate Free

Oracle GoldenGate

Oracle GoldenGate provides the ability to capture and deliver database transactions for Oracle databases. This allows the use of Extract and Replicat on an Oracle database.

A license to Oracle GoldenGate satisfies the Oracle Database license requirement for when the <code>ENABLE_GOLDENGATE_REPLICTION</code> parameter is set to <code>TRUE</code> and also includes a license to Oracle Active Data Guard and Oracle XStream, subject to the following prerequisite.

Prerequisite: A license to Oracle Database Enterprise Edition is a prerequisite to license and use Oracle Active Data Guard or Oracle XStream.

Restricted use: A license to Oracle GoldenGate includes a restricted-use license to GoldenGate for Distributed Applications and Analytics (GGDAA). Use of GGDAA is restricted to: (i) the JMS functionality used solely for enabling communication from Oracle GoldenGate to separately licensed Oracle Coherence Grid Edition deployments; and/or (ii) the Kafka functionality used solely for enabling communication from Oracle GoldenGate to separately licensed Oracle Stream Analytics deployments.

For information about GoldenGate managed cloud service entitlements, please see Oracle PaaS and IaaS Universal Credits Service Descriptions.

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The following release versions are associated with the third-party products in Oracle GoldenGate:

- 11.1.1.1
- 11.2.1.0
- 12.1.2.0
- 12.2.0.1
- 12.2.0.2
- 12.3.0.1
- 18.1.0.0.0
- 19c
- 21c
- 23.3
- 23ai

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Apache	Apache Xerces 3.1.2	12.2.0.1 12.2.0.2 12.3.0.1	For a copy of the license, see Apache License Version 2 .



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Apache	Apache Xerces- C++ 3.2.1	18.1.0.0.0 19c	For a copy of the license, see Xerces-C++ 3.2.1.
Apache	Apache Xerces- C++ 3.2.4	23c	For a copy of the license, see Apache License Version 2.
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Baptiste Lepilleur	JsonCpp 1.6.2	12.3.0.1 18.1.0.0.0	For a copy of the license, see JsonCpp.
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Boost Software	Boost C++ Libraries 1.67.0	18.1.0.0.0 19c	For a copy of the license, see Boost C++ Libraries.
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Cedric Beust	Jcommander 1.48	12.3.0.1	For a copy of the license, see Jcommander.
Cedric Beust	TestNG 6.9.10	18.1.0.0.0	For a copy of the license, see TestNG.
Chen Yi-Cyuan	js-md5	23ai	Copyright 2014-2023 Chen, Yi-Cyuan
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. adiot/livie, LEO	2.8.6	12.0.0.1	processor.

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FasterXML, LLC	jackson-core 2.9.7	19c	Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi
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HWLoc (Portable Hardware Locality)		21c	
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		12.2.0.2	
		12.3.0.1	
Jean-loup Gailly		12.2.0.1	For a copy of the license, see Zlib Data Compression
and Mark Adler	Compression Library	12.2.0.2	Library 1.2 .11.
	1.2.11	12.3.0.1	
		18.1.0.0.0	
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Jean-loup Gailly and Mark Adler	Compression	23.3	Copyright (C) 1995-2022 Jean-loup Gailly and Mark Adler
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Microsoft	TypeScript 5.3.3	23ai	For a copy of the license, see Apache License Version 2.
Milo Yip	Rapid JSON 1.1.0	12.3.0.1 18.1.0.0.0 19c 21c	For a copy of the license, see Rapid JSON.
Milo Yip	Rapid JSON 1.1.0-fcb23c2	23.3	For a copy of the license, see Rapid JSON.
Milo Yip	Rapid JSON 1.1.0-f9d5341	23ai	For a copy of the license, see Rapid JSON.
Modernizr	Modernizr 3.3.1	12.3.0.1	For a copy of the license, see Modernizr.
Modernizr	Modernizr 3.5.0	18.1.0.0.0 19c	For a copy of the license, see Modernizr.
Modernizr	Modernizr 3.8.0	21c	For a copy of the license, see Modernizr.
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Oracle GoldenGate for Teradata Replication Services provides the ability to capture database transactions from Teradata databases and deliver database transactions to Teradata databases.

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Prerequisite: A license for Teradata Access Manager from Teradata Corporation is required to enable the capture process on Teradata.

Oracle GoldenGate Application Adapters

The following Oracle GoldenGate Application Adapters are available.

Oracle GoldenGate for Application Adapter for Base24

Oracle GoldenGate provides adapters to integrate BASE24 components heterogeneously, moving data from ATM networks to the core banking systems for online processing.

A license for Oracle GoldenGate Application Adapter for Base24 includes the following components:

Oracle GoldenGate D24



- Oracle GoldenGate N24
- Oracle GoldenGate T24

Oracle GoldenGate Application Adapter for Logger for Enscribe

The adapter is for non-audited Enscribe database platforms.

Oracle GoldenGate for Distributed Applications and Analytics

A license to Oracle GoldenGate for Distributed Applications and Analytics includes the following functionalities:

- Oracle Transaction Manager for Microservices Enterprise Edition
- GoldenGate handlers for Big Data, NoSQL, Messaging, Data Warehouse, and Data Lakehouse
- GoldenGate Data Streams

Please refer to Oracle GoldenGate for Distributed Applications and Analytics certification matrix for handler availability.

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Amazon DocumentDB (Source & Target)	23.8.0.0.0 or Higher
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Amazon Redshift	19.1.0.0.0 or Higher
Amazon S3	19.1.0.0.0 or Higher
Apache Cassandra (Target Only)	12.3.0.1 or Higher
Apache Cassandra (Source & Target)	12.3.2.1 or Higher
Apache HBASE	12.2.0.1.1 or Higher
Apache HDFS	12.2.0.1.1 or Higher
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Azure BLOB Storage	21.1.0.0.0 or Higher



Technology	Supported GoldenGate for Distributed Applications and Analytics Releases
Azure Data Lake Storage Gen 1	12.3.2.1 or Higher
Azure Data Lake Storage Gen 2	19.1.0.0.0 or Higher
Azure Event Hub (Target Only)	19.1.0.0.0 or Higher
Azure Event Hub (Source and Target)	21.7.0.0.0 or Higher
Azure Synapse Analytics	19.1.0.0.0 or Higher
Cloudera Data Platform (CDP)	19.1.0.0.0 or Higher
Cloudera Hadoop (CDH)	12.2.0.1.1 or Higher
Confluent Kafka (Target Only)	12.3.2.1.1 or Higher
Confluent Kafka (Source & Target)	21.3.0.0.0 or Higher
Databricks	23.4.0.0.0 or Higher
Datastax (Target Only)	19.1.0.0.0 or Higher
DataStax (Source & Target)	21.8.0.0.0 or Higher
Elasticsearch	12.3.1.1 or Higher
Flat File	12.2.0.1.1 or Higher
Google Big Query	19.1.0.0.1 or Higher
Google Big Query Stage & Merge	21.5.0.0.0 or Higher
Google Cloud Storage	21.1.0.0.0 or Higher
Google Pub/Sub	23.4.0.0.0 or Higher
Hortonworks Hadoop (HDP)	12.2.0.1.1 or Higher
Java Message Service (JMS)	12.2.0.1.1 or Higher
JDBC	12.3.2.1 or Higher
Lakehouse in Microsoft Fabric (Target Only)	23.6.0.0.0 or Higher
MapR	19.1.0.0.0 or Higher
MongoDB (Target Only)	12.3.1.1 or Higher
MongoDB (Source & Target)	21.5.0.0.0 or Higher
Netezza	19.1.0.0.0 or Higher
OCI Autonomous Data Warehouse	19.1.0.0.5 or Higher
OCI Object Storage	19.1.0.0.5 or Higher
OCI Streaming (Target Only)	19.1.0.0.0 or Higher
OCI Streaming (Source and Target)	21.9.0.0.3 or Higher
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Redis	21.8.0.0.0 or Higher
Snowflake	21.1.0.0.0 or Higher

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- 11.1.1.1
- 11.2.1.0
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- 12.2.0.1
- 12.2.0.2
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Amazon	aws-java-sdk- kinesis 1.12.707	23.4	For a copy of the applicables licenses, see Copy of Licenses for aws-java-sdk-kinesis-1.12.707
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	(JSON-P) 1.1.6		Required source code may be available at https://www.oracle.com/downloads/opensource.html
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Eclipse Foundation	Eclipse Parsson 1.1.5	23.4	For a copy of the applicable licenses, see Copy of Licenses for Eclipse Parsson 1.1.5
Eclipse Public License	JSONP 1.1.5	19.1.0.0.0	For a copy of the license, see Eclipse Public License - V2.0
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			Top Level Component License : Apache License
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FasterXML, LLC	Jackson Databind 2.16.1	23.4	For a copy of applicable licenses, see Copy of Licenses for jackson-databind-2.16.1
FasterXML, LLC	Jackson Core 2.16.1	23.4	For a copy of the applicable licenses, see Copy of Licenses for Jackson Core 2.16.1
Google Inc	Google Cloud Storage Client for Java 2.36.1	Only for GGS 23.4	For a copy of the applicable licenses, see Copy of Licenses for Google Cloud Storage Client for Java 2.36.1
Google Inc	google-cloud-	Only for GGS	Top-level
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Microsoft Corporation	azure-storage- blob 12.19.1	21.3.0.0.0	For a copy of the applicable licenses, see, Copy of Licenses for azure-storage-blob 12.19.1
MongoDB, Inc.	MongoDB C Driver 1.26.2	23.4	For a copy of the applicable licenses, see Copy of Licenses for MongoDB C Driver 1.26.2



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Oracle	Oracle NoSQL SDK for Java	Only for GGS 23.4	Top-level dependency
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org.xerial.snappy:snappy-java:1.1.7.2 (Apache 2.0)

org.slf4j:slf4j-api:1.7.25 -> 1.7.28 (MIT)

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			log4j-liquibase
			log4j-mongodb2
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FasterXML, LLC	jackson- databind	12.2.1.4.0	Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi></tatu.saloranta@iki.fi>
	2.9.9		# 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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Tatu Saloranta	Woodstox XML Processor	12.2.1.4.0	Copyright (c) 2004 Tatu Saloranta, tatu.saloranta@iki.fi
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- Azure BLOB Storage
- Apache Cassandra
- Azure Data Lake Storage Gen 1 & Gen 2
- Azure Event Hub
- Azure Synapse Analytics
- Cloudera Hadoop (CDH)
- Cloudera Data Platform (CDP)
- Confluent Kafka
- Databricks
- Datastax
- Elasticsearch
- Flat File
- GoldenGate Data Streams
- Google Big Query
- Google Cloud Storage
- Google Pub/Sub
- Hortonworks Hadoop (HDP)
- Java Message Service (JMS)
- JDBC
- Lakehouse in Microsoft Fabric
- MapR
- MongoDB
- Netezza
- OCI Autonomous Data Warehouse
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- OCI Streaming
- Oracle NoSQL
- Redis
- Snowflake



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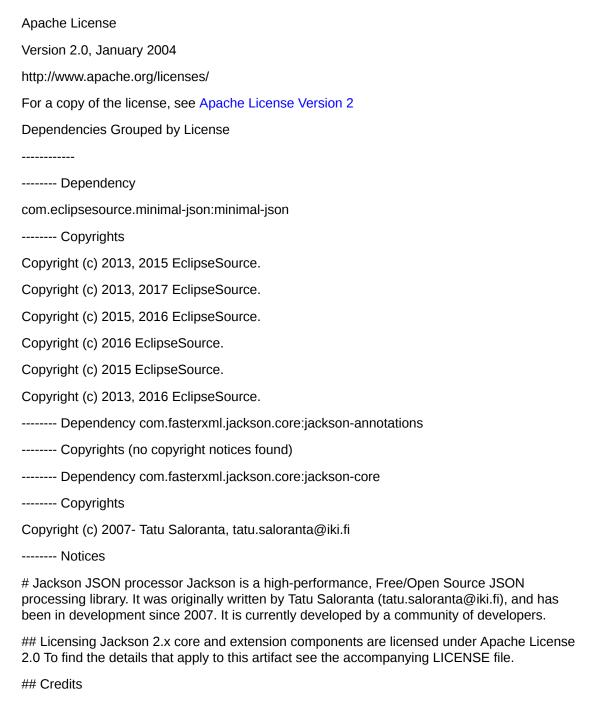
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com.google.guava:failureaccess

com.google.guava:guava:30.1.1-jre

com.google.guava:listenablefuture

com.google.j2objc:j2objc-annotations

com.google.re2j:re2j

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io.confluent:kafka-connect-avro-converter

io.confluent:kafka-connect-avro-data

io.confluent:kafka-schema-converter

io.confluent:kafka-schema-registry-client

io.confluent:kafka-schema-serializer

io.confluent:logredactor-metrics

io.confluent:logredactor

io.swagger.core.v3:swagger-annotations

org.apache.avro:avro

org.apache.commons:commons-compress

org.apache.kafka:kafka-clients

org.checkerframework:checker-qual

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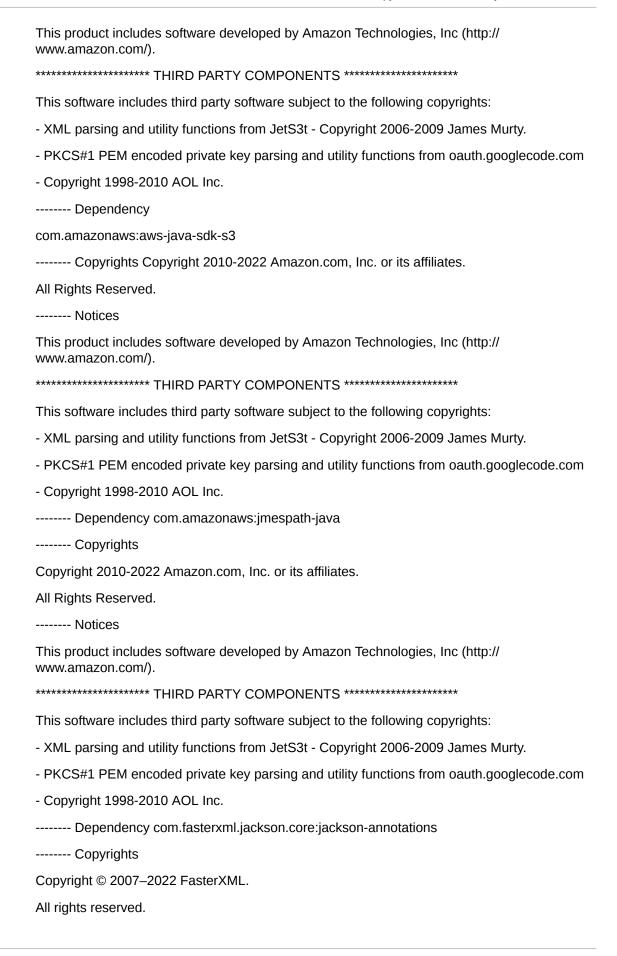
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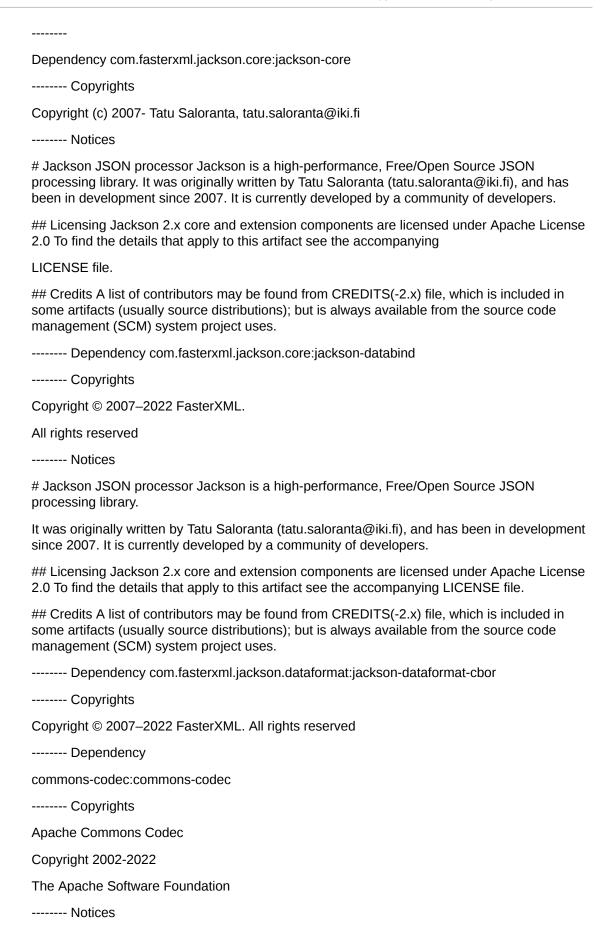
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MessagePack for Java

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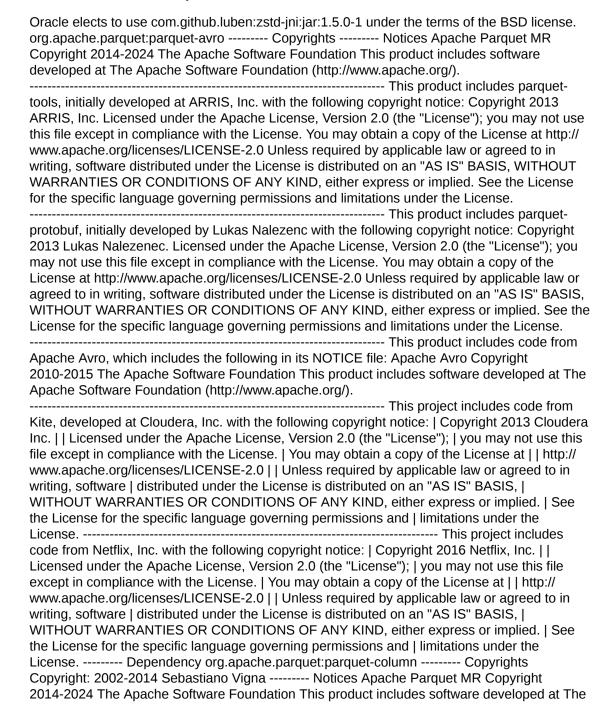


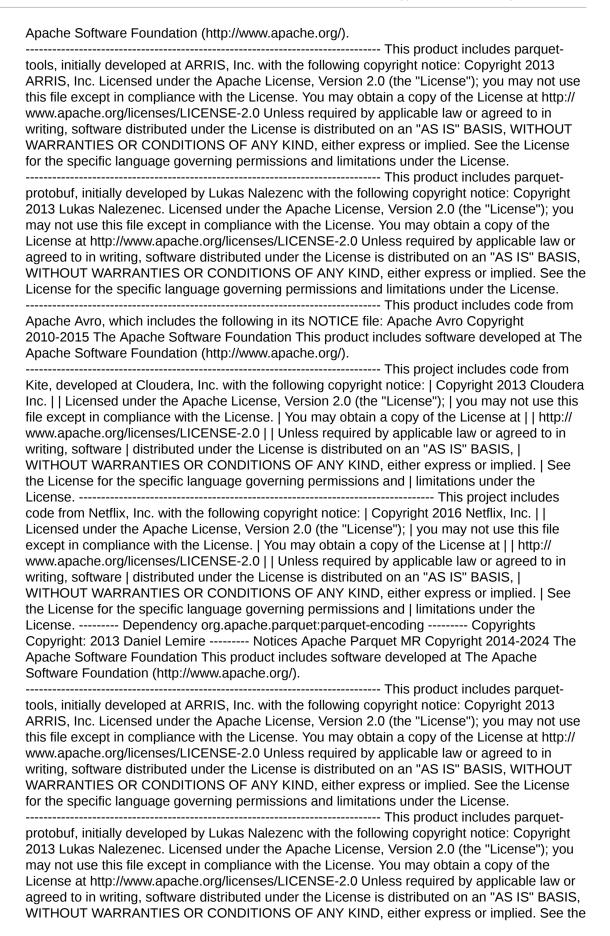
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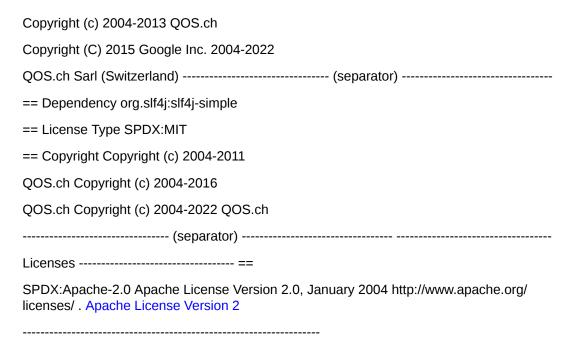
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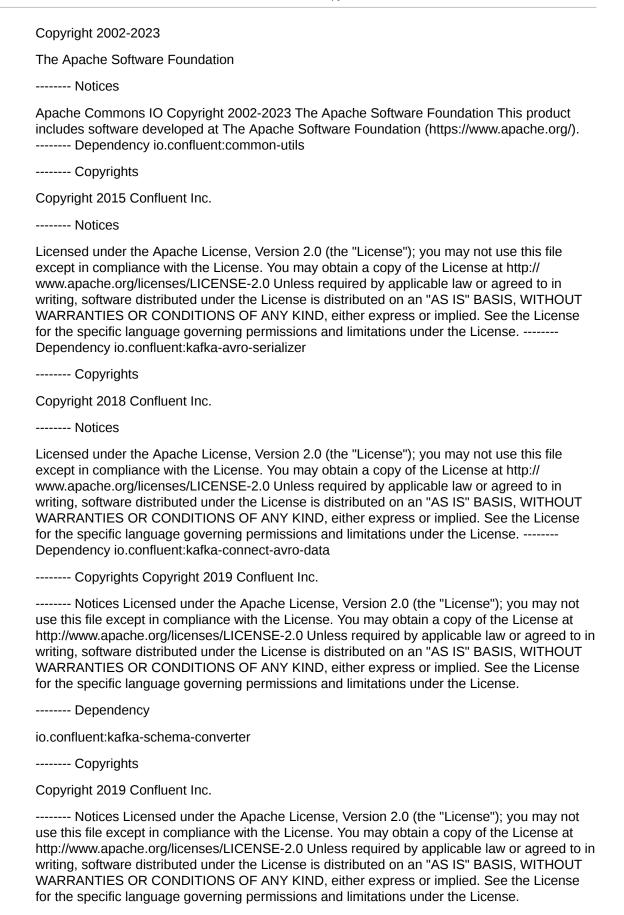
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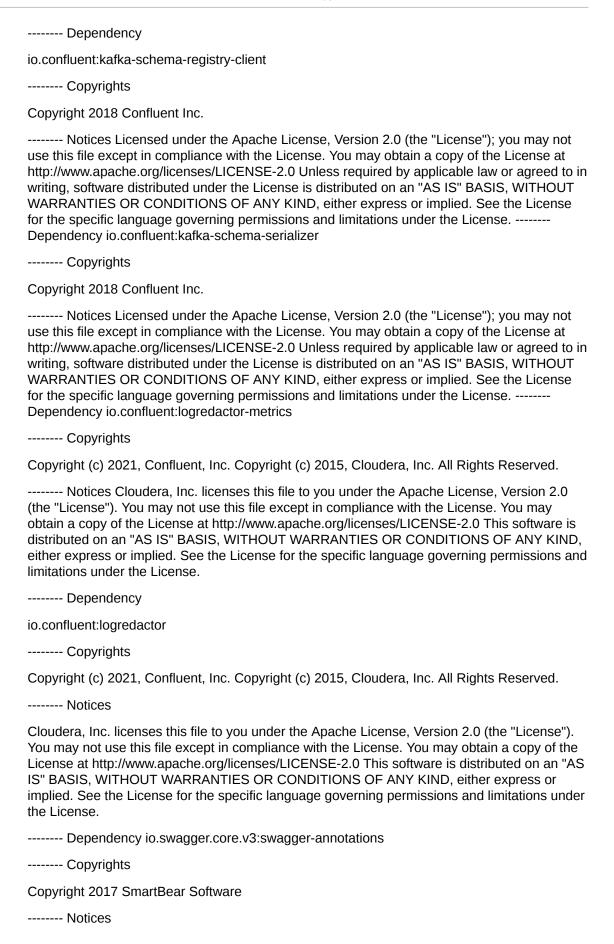
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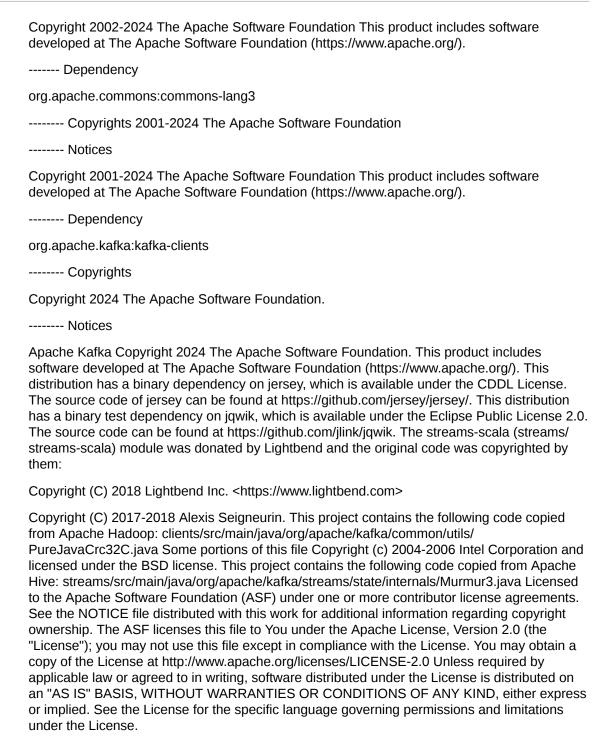
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----- Dependency

org.yaml:snakeyaml

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----- Dependencies Summary

com.fasterxml.jackson.core:jackson-annotations

com.fasterxml.jackson.core:jackson-core

com.fasterxml.jackson.core:jackson-databind

com.google.errorprone:error_prone_annotations

com.google.guava:failureaccess

com.google.guava:guava

com.google.guava:listenablefuture

com.google.j2objc:j2objc-annotations commons-io:commons-io



io.confluent:common-utils

io.confluent:kafka-avro-serializer

io.confluent:kafka-connect-avro-data

io.confluent:kafka-schema-converter

io.confluent:kafka-schema-registry-client

io.confluent:kafka-schema-serializer

io.confluent:logredactor-metrics

io.confluent:logredactor

io.swagger.core.v3:swagger-annotations

org.apache.avro:avro

org.apache.commons:commons-compress

org.apache.commons:commons-lang3

org.apache.kafka:kafka-clients org.lz4:lz4-java

org.xerial.snappy:snappy-java org.yaml:snakeyaml

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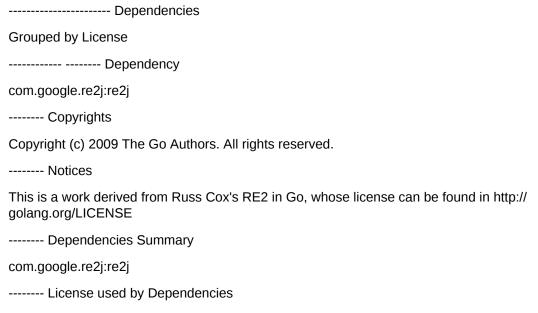
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-----set-immediate-shim https://github.com/sindresorhus/set-immediate-shim

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https://github.com/nodejs/readable-stream

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safe-buffer

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process-nextick-args

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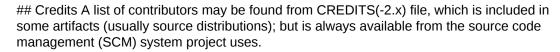
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follow-redirects https://github.com/follow-redirects/follow-redirects

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asynckit

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combined-stream (node-combined-stream)

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mime-db

mine-ub

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form-data

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proxy-from-env

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Chai https://github.com/chaijs/chai

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

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jsep - https://github.com/soney/jsep

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Hammer.JS

http://hammerjs.github.io/

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RequireJS i18n

http://github.com/requirejs/i18n for details

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jsTree http://jstree.com/

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select2.js https://github.com/select2/select2

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JS Signals http://millermedeiros.github.com/js-signals/

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queue.h

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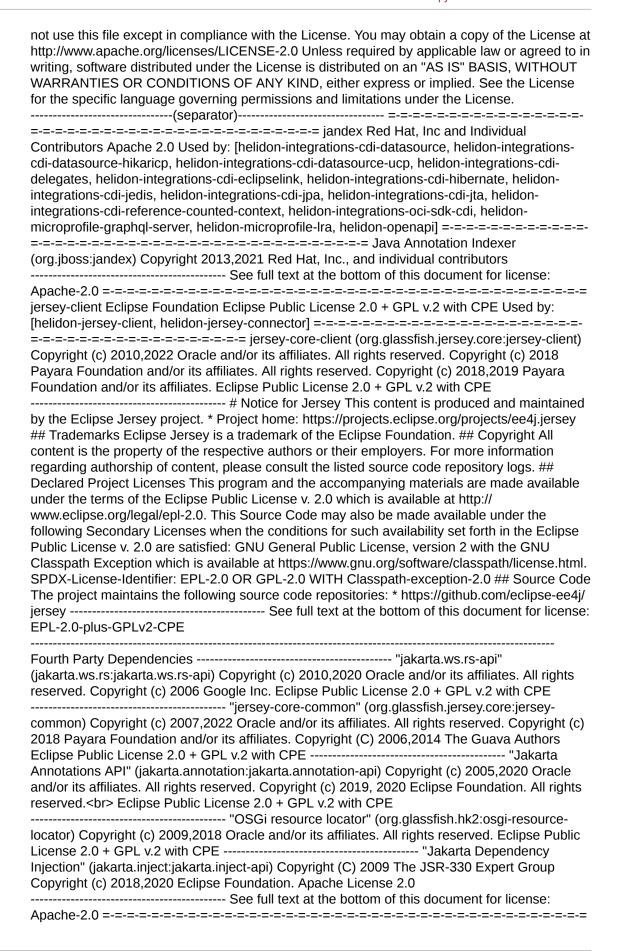
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Jackson

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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?

```
=== Knockout.is 3.4.0 ===
```

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```
=== Knockout Mapping plugin v2.4.1 ===
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=== Normalize.css ===

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=== jsTree 1.0-rc3 ===

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=== Select2.js ===
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=== ES6-Promise v1.0.0 ===
```

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```
=== jQuery UI - v1.11.4 ===
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=== jQuery JavaScript Library v2.1.3 ===
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/*! Hammer.JS - v2.0.4 - 2014-09-28

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Jackson JSON processor

Jackson JSON processor

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