

Oracle® Database

Oracle GoldenGate Licensing Information



21c
F43649-18
October 2025

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Contents

Preface

Audience	i
Documentation Accessibility	i
Related Information	i
Conventions	i

1 Licensing Information

Oracle GoldenGate Products	1
Oracle GoldenGate	1
Third-Party Products and Details for Oracle GoldenGate	2
Oracle GoldenGate for Non-Oracle Database	20
Oracle GoldenGate for Mainframe	21
Oracle GoldenGate for Teradata Replication Services	21
Oracle GoldenGate Application Adapters	21
Oracle GoldenGate for Application Adapter for Base24	21
Oracle GoldenGate Application Adapter for Logger for Enscribe	21
Oracle GoldenGate for Distributed Applications and Analytics	21
Third-Party Products and Details Oracle GoldenGate for Distributed Applications and Analytics	23
Oracle GoldenGate Foundation Suite	47
Third-Party Products and Details for Oracle GoldenGate Studio	47
Oracle GoldenGate Veridata	55
Third-Party Products and Details for Oracle GoldenGate Veridata	55
Oracle Management Pack for Oracle GoldenGate	58
Third-Party Products and Details for Oracle GoldenGate Monitor	58
Oracle GoldenGate for Big Data Targets	59
Oracle GoldenGate Free	61
Third-Party Products and Details for Oracle GoldenGate Free	61

2 Third-Party Licenses

Copy of Licenses for hadoop client 3.3.3	1
Copy of Licenses for Parquet Avro 1.12.2	20

Copy of Licenses for Log4J 2.13.3	29
Copy of Licenses for Snowflake JDBC Driver 3.13.27	29
Copy of Licenses for OCI SDK for Java 2.23.0	45
Copy of Licenses for Oracle NoSQL SDK for Java 5.3.5	94
Copy of Licenses for azure-storage-blob 12.19.1	100
Eclipse Public License - V2.0	107
Copy of Licenses for Jackson Databind 2.12.1	111
Copy of Licenses for DataStax C/C++ Driver for Apache Cassandra 2.14	113
Copy of Licenses for kafka-connect-avro-converter 7.2.1	116
Copy of Licenses for kafka-connect-json-converter 7.2.1	123
Copy of Licenses for msgpack-java 0.8.16	133
Copy of Licenses for Avro-1.9.0	138
Copy of Licenses for aws-java-sdk-s3 1.12.273	145
Copy of Licenses for Spring Framework 4.3.20	149
ANTLR	150
Apache License Version 2	151
Apache Xerces	154
Axios	156
BCrypt	160
Boost C++ Libraries	160
C-tree Plus	161
Eclipse Public License	161
FairCom technology	164
Jackson	166
ICU	170
ICU4J License	172
JavaScript Extension Toolkit (JET)	172
Jcommander	182
JsonCpp	185
jsPlumb	186
Lightning Memory- Mapped Database Manager (LMDB)	190
Modernizr	191
Mustache for Java	191
OpenSSL	194
POCO C++ Libraries	197
queue.h	198
Rapid JSON	198
RequireJS	200
UDT (UDP-based Data Transfer)	201
Zlib Data Compression Library 1.2 .11	202
Jackson JSON processor	203
Xerces-C++ 3.2.1	203

TestNG
Mozilla Public License Version 2.0

206
209

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.

Documentation Accessibility

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Related Information

The Oracle GoldenGate Product Documentation Libraries are found at:

[Oracle GoldenGate Documentation](#)

Oracle GoldenGate for Big Data Documentation:

<https://docs.oracle.com/en/middleware/goldengate/big-data/index.html>

For additional information on Oracle GoldenGate, refer to:

<https://www.oracle.com/middleware/technologies/goldengate.html>

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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
<i>italic</i> <i>italic</i>	Italic type indicates placeholder variables for which you supply particular values, such as in the parameter statement: <code>TABLE <i>table_name</i></code> . Italic type also is used for book titles and emphasis.
monospace MONOSPACE	Monospace type indicates code components such as user exits and scripts; 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: <code>{<i>option1</i> <i>option2</i> <i>option3</i>}</code> .
[]	Brackets within syntax indicate an optional element. For example in this syntax, the <code>SAVE</code> clause is optional: <code>CLEANUP REPLICAT <i>group_name</i> [, <i>SAVE count</i>]</code> . Multiple options within an optional element are separated by a pipe symbol, for example: <code>[<i>option1</i> <i>option2</i>]</code> .

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>).

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- [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](#)
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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 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 Oracle GoldenGate for Big Data (GGBD). Use of GGBD 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.

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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
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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 .
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 .

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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 .
Boost Software	Boost C++ Libraries 1.73.0	21c	For a copy of the license, see Boost C++ Libraries .
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 .
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IBM	ICU 56.1	12.2.0.1 12.2.0.2 12.3.0.1	For a copy of the license, see ICU .
Jean-loup Gailly and Mark Adler	Zlib Data Compression Library 1.2.11	12.2.0.1 12.2.0.2 12.3.0.1 18.1.0.0.0 19c 21c	For a copy of the license, see Zlib Data Compression Library 1.2 .11 .

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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 .
Modernizr	Modernizr 3.3.1	12.3.0.1	For a copy of the license, see Modernizr .

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OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.70	18.1.0.0.0 19c	For a copy of the license, see Lightning Memory-Mapped Database Manager (LMDB) .
Open SSL Foundation	OpenSSL		For a copy of the license, see FairCom technology .
Openssl.org	OpenSSL 1.1.0h	18.1.0.0.0	For a copy of the license, see OpenSSL .
Oracle	JavaScript Extension Toolkit (JET) 2.0.0	12.3.0.1	For a copy of the license, see JavaScript Extension Toolkit (JET) .

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Sun Microsystems	OpenSSL 1.0.2j	12.2.0.1 12.2.0.2 12.3.0.1	For a copy of the license, see OpenSSL .
The Dojo Foundation	RequireJS 2.3.6	19c 21c	For a copy of the license, see RequireJS .
Unicode, Inc.	ICU 62.1	18.1.0.0.0 19c	For a copy of the license, see ICU .
Unicode, Inc.	ICU 65.1	21c	For a copy of the license, see ICU .

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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.

Prerequisite: To deliver data to Teradata, the Oracle GoldenGate for Non-Oracle Databases license is required.

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

Please refer to Oracle GoldenGate for Distributed Applications and Analytics [certification matrix](#) for handler availability.

Restricted use: A license Oracle GoldenGate for Distributed Applications and Analytics includes a restricted-use license to Oracle Stream Analytics. Use of Oracle Stream Analytics is restricted to process data coming from Oracle GoldenGate for Distributed Applications and Analytics.

Note

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Technology	Supported GoldenGate for Distributed Applications and Analytics Releases
Apache HBASE	12.2.0.1.1 or Higher
Apache HDFS	12.2.0.1.1 or Higher
Apache Kafka (Target Only)	12.2.0.1.1 or Higher
Apache Kafka (Source & Target)	21.3.0.0.0 or Higher
Apache Hive	12.2.0.1.1 or Higher
Cloudera Hadoop (CDH)	12.2.0.1.1 or Higher
Hortonworks Hadoop (HDP)	12.2.0.1.1 or Higher
Amazon Kinesis	19.1.0.0.0 or Higher
Amazon MSK (Source & Target)	21.8.0.0.0 or Higher
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
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 BLOB Storage	21.1.0.0.0 or Higher
Azure Synapse Analytics	19.1.0.0.0 or Higher
Cloudera Data Platform (CDP)	19.1.0.0.0 or Higher
Confluent Kafka (Target Only)	12.3.2.1.1 or Higher
Confluent Kafka (Source & Target)	21.3.0.0.0 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
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
Java Message Service (JMS)	12.2.0.1.1 or Higher

Technology	Supported GoldenGate for Distributed Applications and Analytics Releases
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
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
Oracle NoSQL	19.1.0.0.0 or Higher
Snowflake	21.1.0.0.0 or Higher
Netezza	19.1.0.0.0 or Higher
JDBC	12.3.2.1 or Higher
Redis	21.8.0.0.0 or Higher
Flat File	12.2.0.1.1 or Higher

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- 11.2.1.0
- 12.1.2.0
- 12.2.0.1
- 12.2.0.2
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- 18.1.0.0.0
- 19.1.0.0.0
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Amazon.com, Inc. or its affiliates	aws-java-sdk-s3 1.12.273	21.3.0.0.0	For a copy of the applicable licenses, see Copy of Licenses for aws-java-sdk-s3 1.12.273 .
Apache	Commons Codec 1.12	19.1.0.0.0	For a copy of the license, see Apache License Version 2 .
Apache	avro 1.9.0	19.1.0.0.0 21.3.0.0.0	For a copy of the license, see Apache License Version 2 . For a copy of the other applicable licenses, see Copy of Licenses for Avro-1.9.0 .
Confluent Inc.	kafka-connect-avro-converter 7.2.1	21.3.0.0.0	For a copy of the applicable licenses, see Copy of Licenses for kafka-connect-avro-converter 7.2.1 .
Confluent Inc.	kafka-connect-json-converter 7.2.1	21.3.0.0.0	For a copy of the applicable licenses, see Copy of Licenses for kafka-connect-json-converter 7.2.1 .

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Datastax	DataStax C/C+ + Driver for Apache Cassandra 2.14	21.3.0.0.0	For a copy of the applicable licenses, see Copy of Licenses for DataStax C/C++ Driver for Apache Cassandra 2.14
Eclipse Foundation	Jakarta. JSON Processing API (JSON-P) 1.1.6	21.3.0.0.0	<p>https://github.com/eclipse-ee4j/jsonp/blob/master/LICENSE.md</p> <p>Required source code may be available at https://www.oracle.com/downloads/opensource.html</p> <p>Eclipse Public License - v 2.0</p> <p>For a copy of the license, see Eclipse Public License - V2.0</p>
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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FasterXML, LLC	jackson- dataformat-cbor 2.9.8	19.1.0.0.0	For a copy of the license, see Apache License Version 2.

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FasterXML, LLC	Jackson Core 2.9.8	19.1.0.0.0	For a copy of the license, see Apache License Version 2 .

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FasterXML, LLC	jackson-databind 2.9.9	12.2.1.4.0	Copyright (c) 2019 Tatu Saloranta <tatu.saloranta@iki.fi> # 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. For a copy of the license, see Apache License Version 2 .
Google	FEST 1.2	12.2.1.2.0 12.2.1.3.0	For a copy of the license, see Apache License Version 2 .

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IBM	ICU4J 4.8	12.2.1.2.0	For a copy of the license, see ICU4J License .
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- Apache HDFS

- Apache Kafka
- Apache Hive
- Apache Flume
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- Amazon MSK
- Amazon Redshift
- Amazon S3
- 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
- MapR
- MongoDB
- Netezza
- OCI Autonomous Data Warehouse
- OCI Object Storage
- OCI Streaming
- Oracle NoSQL
- Redis
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Boost Software	Boost C++ Libraries 1.73.0	21c	For a copy of the license, see Boost C++ Libraries.
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2

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com.github.luben:zstd-jni

com.google.errorprone:error_prone_annotations

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io.confluent:common-utils
io.confluent:kafka-avro-serializer
io.confluent:kafka-connect-avro-converter
io.confluent:kafka-connect-avro-data
io.confluent:kafka-schema-converter
io.confluent:kafka-schema-registry-client
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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.

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com.amazonaws:aws-java-sdk-kms

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com.amazonaws:jmespath-java

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com.fasterxml.jackson.core:jackson-core

com.fasterxml.jackson.core:jackson-databind

com.fasterxml.jackson.dataformat:jackson-dataformat-cbor

commons-codec:commons-codec

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joda-time:joda-time

org.apache.httpcomponents:httpclient

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proxy-from-env

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Jackson

```
# Jackson JSON processor
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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.js 3.4.0 ===

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=== jsTree 1.0-rc3 ===

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=== jQuery UI - v1.11.4 ===

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/*! Hammer.JS - v2.0.4 - 2014-09-28

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Lightning Memory- Mapped Database Manager (LMDB)

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Zlib Data Compression Library 1.2 .11

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