

# Oracle® Database

## Oracle GoldenGate Licensing Information



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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.

## 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>

[Oracle Database High Availability](#)

## Conventions

The following text conventions are used in this document:

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

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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> .

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# 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 Veridata](#)
- [Oracle GoldenGate for Big Data](#)
- [Oracle GoldenGate Foundation Suite](#)
- [Third-Party Products and Details for Oracle GoldenGate Monitor](#)
- [Third-Party Products and Details for Oracle GoldenGate Studio](#)

### 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
- 19.1.0.0.0
- 21c

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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 <a href="#">Apache License Version 2</a> .
Apache	Apache Xerces-C++ 3.2.1	18.1.0.0.0 19.1.0.0.0	For a copy of the license, see <a href="#">Xerces-C++ 3.2.1</a> .
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FasterXML, LLC	Jackson 2.8.6	12.3.0.1	For a copy of the license, see <a href="#">Jackson JSON processor</a> .
FasterXML, LLC	Jackson 2.9.5	18.1.0.0.0	Jackson JSON-processor. Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi For a copy of the license, see <a href="#">Jackson JSON processor</a> .

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	HWLoc (Portable Hardware Locality)	21c	
IBM	ICU 56.1	12.2.0.1 12.2.0.2 12.3.0.1	For a copy of license, see <a href="#">ICU</a> .
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 19.1.0.0.0 21c	For a copy of license, see <a href="#">Zlib Data Compression Library 1.2 .11</a> .
Johnny Shelly	BCrypt 1.1	11.1.1.1 11.2.1.0 12.1.2.0 12.2.0.1 12.3.0.1 18.1.0.0.0 19.1.0.0.0 21c	Copyright © 2002 Johnny Shelley <jshelley@cahaus.com> For a copy of the license, see <a href="#">BCrypt</a> .

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Milo Yip	Rapid JSON 1.1.0	12.3.0.1 18.1.0.0.0 19.1.0.0.0 21c	For a copy of license, see <a href="#">Rapid JSON</a> .
Modernizr	Modernizr 3.3.1	12.3.0.1	For a copy of license, see <a href="#">Modernizr</a> .
Modernizr	Modernizr 3.5.0	18.1.0.0.0 19.1.0.0.0	For a copy of license, see <a href="#">Modernizr</a> .
Modernizr	Modernizr 3.8.0	21c	For a copy of license, see <a href="#">Modernizr</a> .
OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.14	12.3.0.1	For a copy of license, see <a href="#">Lightning Memory-Mapped Database Manager (LMDB)</a> .
OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.24	21c	For a copy of license, see <a href="#">Lightning Memory-Mapped Database Manager (LMDB)</a> .
OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.70	18.1.0.0.0 19.1.0.0.0	For a copy of license, see <a href="#">Lightning Memory-Mapped Database Manager (LMDB)</a> .

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Oracle	JavaScript Extension Toolkit (JET) 2.0.0	12.3.0.1	For a copy of license, see <a href="#">JavaScript Extension Toolkit (JET)</a> .

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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 license, see <a href="#">OpenSSL</a> .
Unicode, Inc.	ICU 62.1	18.1.0.0.0 19.1.0.0.0	For a copy of license, see <a href="#">ICU</a> .
Unicode, Inc.	ICU 65.1	21c	For a copy of license, see <a href="#">ICU</a> .
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## Oracle GoldenGate for Mainframe

Oracle GoldenGate for Mainframe provides the ability to capture and deliver database transactions from HP NonStop or IBM DB2 on z/OS databases.

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## Oracle GoldenGate for Teradata Replication Services

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 Big Data

A license to Oracle GoldenGate for Big Data includes the following components. Please refer to Oracle GoldenGate for Big Data [certification matrix](#) for handler availability.

Technology	Supported GoldenGate for Big Data 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
MapR	19.1.0.0.0 or Higher
MongoDB (Target Only)	12.3.1.1 or Higher

Technology	Supported GoldenGate for Big Data Releases
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

Restricted use: A license for Oracle Golden Gate for Big Data includes a restricted-use license to Oracle Stream Analytics. Use of Oracle Stream Analytics is restricted to process data coming from Oracle GoldenGate for Big Data.

 **Note:**

GoldenGate for Oracle and GoldenGate for non-Oracle licenses are not included with GoldenGate for Big Data license and these licenses are not a prerequisite for using Oracle GoldenGate for Big Data license.

## Oracle GoldenGate Foundation Suite

Oracle GoldenGate Foundation Suite includes the following components:

- Oracle GoldenGate Studio
- Oracle GoldenGate Veridata (see [Oracle GoldenGate Veridata](#))
- Oracle Management Pack for Oracle Golden Gate (see [Oracle Management Pack for Oracle GoldenGate](#))

Prerequisite: A license to Oracle GoldenGate, Oracle GoldenGate for Non-Oracle Database or Oracle GoldenGate for Mainframe is a prerequisite to license and use Oracle GoldenGate Foundation Suite.

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- 11.1.1.9.0
- 12.2.1.2.0
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Apache	Velocity 1.4	12.2.1.2.0 12.2.1.3.0	For a copy of the license, see <a href="#">Apache License Version 2</a> .
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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 <a href="#">Apache License Version 2</a> .



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Mockito	Mockito	12.2.1.2.0	The MIT License
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## Oracle GoldenGate Veridata

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- 12.2.1.3.0
- 12.2.1.4.0

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IBM	ICU4J 4.8	12.2.1.2.0	For a copy of the license, see <a href="#">ICU4J License</a> .
SLF4J	slf4j 1.4.3	12.2.1.2.0	Copyright © 2004–2008 QOS.ch All rights reserved.  THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
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- Apache HBASE

- Apache HDFS
- Apache Kafka
- Apache Hive
- Apache Flume
- Amazon Kinesis
- 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
- Datastax
- Elasticsearch
- Flat File
- Google Big Query
- Google Cloud Storage
- Hortonworks Hadoop (HDP)
- Java Message Service (JMS)
- JDBC
- MapR
- MongoDB
- Netezza
- OCI Autonomous Data Warehouse
- OCI Object Storage
- OCI Streaming
- Oracle NoSQL
- Redis
- Snowflake



 **Note:**

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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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From download package <https://github.com/miloyip/rapidjson/archive/v1.1.0.zip>

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## Zlib Data Compression Library 1.2 .11

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## Jackson JSON processor

Jackson JSON processor

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