Oracle® GoldenGate

Oracle GoldenGate Licensing Information

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Oracle GoldenGate Oracle GoldenGate Licensing Information, 23ai

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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

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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*	Italic type indicates placeholder variables for which you supply particular values, such as in the parameter statement: `TABLE table_name`. 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: `{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]`.

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Licensing Information

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

1.1 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

1.2 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.

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- 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
- 23.3
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Apache	Apache Xerces-C++ 3.2.1	18.1.0.0.0 19.1.0.0.0	For a copy of the license, see Xerces-C++ 3.2.1.
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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 Rapid JSON.
Milo Yip	Rapid JSON 1.1.0-fcb23c2	23.3	For a copy of license, see Rapid JSON.
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Modernizr	Modernizr 3.3.1	12.3.0.1	For a copy of license, see Modernizr.
Modernizr	Modernizr 3.5.0	18.1.0.0.0 19.1.0.0.0	For a copy of license, see Modernizr.
Modernizr	Modernizr 3.8.0	21c	For a copy of license, see Modernizr.
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OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.24	21c	For a copy of license, see Lightning Memory-Mapped Database Manager (LMDB).
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OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.32	23ai	For a copy of license, see Lightning Memory-Mapped Database Manager (LMDB).
Oracle	JavaScript Extension Toolkit (JET) 2.0.0	12.3.0.1	For a copy of license, see JavaScript Extension Toolkit (JET).

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			E87539-01
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			https://www.zlib.net/zlib_license.html zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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

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			Author : Tiago Dionizio <tiago.dionizio@ist.utl.pt>
			Author : Doug Currie <doug.currie@alum.mit.edu>
			Library : lsqlite3 - an SQLite 3 database binding for Lua 5
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			Included only if built with Lua support.

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			LuaXML License
			Included only if built with Lua and LuaXML support.
			Version 1.8.0 (Lua 5.2), 2013-06-10 by Gerald Franz, eludi.net
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			zlib License
			Included only if built with zlib support.
			https://www.zlib.net/zlib_license.html zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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			Mark Adler madler@alumni.caltech.edu
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The Unicode Consortium	ICU4C 71.1	23.3	For a copy of license, see ICU.
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1.3 Oracle GoldenGate for Non-Oracle Database

Oracle GoldenGate for Non-Oracle Database provides the ability to capture database transactions from supported non-Oracle open systems databases and/or deliver database transactions to supported non-Oracle open systems databases.

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

A license to Oracle GoldenGate for Non-Oracle Database does not include a license to Oracle Active Data Guard or Oracle XStream.

1.4 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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1.5 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.

1.6 Oracle GoldenGate Application Adapters

The following Oracle GoldenGate Application Adapters are available.

1.6.1 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

1.6.2 Oracle GoldenGate Application Adapter for Logger for Enscribe

The adapter is for non-audited Enscribe database platforms.

1.7 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.

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:**
>
> GoldenGate for Oracle and GoldenGate for non-Oracle licenses are not included with GoldenGate for Distributed Applications and Analytics license and these licenses are not a prerequisite for using GoldenGate for Distributed Applications and Analytics license.

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

Technology	Supported GoldenGate for Distributed Applications and Analytics Releases
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
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

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

- 11.1.1.9.0
- 12.2.1.2.0
- 12.2.1.3.0
- 12.2.1.4.0

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			Modules: log4j-1.2-api
			log4j-api-java9
			log4j-api
			log4j-appserver
			log4j-bom
			log4j-cassandra
			log4j-core-its
			log4j-core-java9
			log4j-core
			log4j-couchdb
			log4j-distribution
			log4j-flume-ng
			log4j-iostreams
			log4j-jcl
			log4j-jdbc-dbcp2
			log4j-jmx-gui
			log4j-jpa
			log4j-jul
			log4j-liquibase
			log4j-mongodb2
			log4j-mongodb3
			log4j-osgi
			log4j-perf
			log4j-samples
			log4j-slf4j-impl
			log4j-slf4j18-impl
			log4j-taglib
			log4j-to-slf4j
			log4j-web
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Apache	Apache Velocity 1.5	12.2.1.2.0 12.2.1.3.0	Apache Velocity Copyright © 2000–2007 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (`http://www.apache.org/`) For a copy of the license, see Apache License Version 2.
Apache	Velocity Engine 2.0	12.2.1.4.0	Copyright 2002-2016 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (`http://www.apache.org/`) For a copy of the license, see Apache License Version 2.
Apache	Velocity 1.4	12.2.1.2.0 12.2.1.3.0	For a copy of the license, see Apache License Version 2.
FasterXML, LLC	jackson-core 2.9.9	12.2.1.4.0	Copyright © 2008–2019 FasterXML. All rights reserved. For a copy of the license, see Apache License Version 2.
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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The Apache Software Foundation	Commons Beanutils 1.9.3	12.2.1.4.0	For more information on this license and/or for a copy of the license, see Apache License Version 2.

1.8.2 Oracle GoldenGate Veridata

Oracle GoldenGate Veridata is a data comparison solution that identifies and reports data discrepancies between databases.

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• 12.2.1.2.0

• 12.2.1.3.0

• 12.2.1.4.0

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Apache	Commons Codec 1.2, 1.3	12.2.1.2.0	For a copy of the license, see Apache License Version 2.

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			For a copy of the license, see Apache License Version 2.
Apache	Commons Jelly 1.1-hudson-20100305	12.2.1.4.0	Copyright 2002,2004 The Apache Software Foundation.
			Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.
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Apache	Commons Logging 1.2-0548efb	12.2.1.4.0	For a copy of the license, see Apache License Version 2.
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1.8.3 Oracle Management Pack for Oracle GoldenGate

A license to Management Pack for Oracle GoldenGate includes Oracle GoldenGate Director, Oracle GoldenGate Monitor and Oracle GoldenGate Plug-in for Enterprise Manager.

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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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1.9 Oracle GoldenGate for Big Data Targets

A license to Oracle GoldenGate for Big Data Targets only includes functionality for targets, such as, sending data into a target technology. No Source functionality has been included. Each Oracle GoldenGate for Big Data Target license includes the use of one and only one technology component. The licensees may choose from among the following technology components:

• Apache HBASE

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- 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
- GoldenGate Data Streams
- 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:**
>
> In cases where the licensee needs to use Oracle GoldenGate for Big Data Targets for more than one type of technology, they will need a corresponding number of licenses. For example, as each license includes the use of one and only one of the target technologies (listed above) the licensee will need a separate license for each of the targets they use. If licensee is sending data to GoldenGate Data Streams and Azure Data Lake, then they would need two separate licenses to Oracle GoldenGate for Big Data Targets – each separate license would require an accurate count of the license metric. Independently licensed Oracle GoldenGate for Big Data Targets may refer to the same metrics, see the Oracle GoldenGate for Big Data Targets definition for Processors or Named User Plus for details on what is counted.

1.10 Oracle GoldenGate Free

Oracle GoldenGate Free is a free, developer-centric edition of the Oracle GoldenGate product.

Oracle GoldenGate Free provides the ability to capture and deliver data transactions for any of the technologies included with the GoldenGate Free package.

You can use GoldenGate Free to:

- Replicate Database Tables, Schema, and Databases.
- Import and Export Database Tables, Schema, and Databases.

Oracle GoldenGate Free is restricted for use with databases that are 20GB size or less and may not integrate with licensed GoldenGate or third party integration tools.

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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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			All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.
Milo Yip	Rapid JSON 1.1.0-563fe5b	21c	For a copy of license, see Rapid JSON.

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2.7 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.js 3.4.0 ===

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=== jsTree 1.0-rc3 ===

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2.12 JsonCpp

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2.13 Lightning Memory- Mapped Database Manager (LMDB)

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2.21 Jackson JSON processor

Jackson JSON processor

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