

Oracle® Database

Oracle GoldenGate Licensing Information



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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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

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

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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:

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> [, SAVE <i>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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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](#)
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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.

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.

1.2.1 Third-Party Products and Details for Oracle GoldenGate

This section lists all the applicable commercial third party notices and/or licenses and all open source or other separately licensed third party notices and/or licenses, for Oracle GoldenGate, in the following sub-sections.

Commercial Software

Currently there are no commercial software products or components distributed in Oracle GoldenGate with the applicable licensing information.

Open Source or Other Separately Licensed Software

Required notices for open source or other separately licensed software products or components distributed in Oracle GoldenGate are identified in the following table, along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or `readme` files of the individual third party software.

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 Apache License Version 2 .
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 .
Apache	Apache Xerces-C++ 3.2.2	21c	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 license, see JsonCpp .
Boost Software	Boost C++ Libraries 1.59.0	12.3.0.1	For a copy of the license, see Boost C++ Libraries .
Boost Software	Boost C++ Libraries 1.67.0	18.1.0.0.0 19.1.0.0.0	For a copy of the license, see Boost C++ Libraries .
Boost Software	Boost C++ Libraries 1.73.0	21.c	For a copy of the license, see Boost C++ Libraries .
Cedric Beust	Jcommander 1.48	12.3.0.1	For a copy of license, see Jcommander .
Cedric Beust	TestNG 6.9.10	18.1.0.0.0	For a copy of license, see TestNG .
FairCom Corporation	C-tree Plus 8.x	11.1.1.1 11.2.1.0 12.1.2.0 12.2.0.1 12.3.0.1	For a copy of the license, see C-tree Plus .
FasterXML, LLC	Jackson 2.8.6	12.3.0.1	For a copy of the license, see Jackson JSON processor .
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 Jackson JSON processor .

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FasterXML, LLC	jackson-core 2.9.7	19.1.0.0.0	Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi For a copy of the license, see Jackson JSON processor .
	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 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 19.1.0.0.0 21c	For a copy of license, see Zlib Data Compression Library 1.2 .11 .
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 BCrypt .

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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 .
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 .
OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.14	12.3.0.1	For a copy of license, see Lightning Memory-Mapped Database Manager (LMDB) .
OpenLDAP	Lightning Memory-Mapped Database Manager (LMDB) 0.9.24	21c	For a copy of license, see Lightning Memory-Mapped Database Manager (LMDB) .
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 Lightning Memory-Mapped Database Manager (LMDB) .

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Openssl.org	OpenSSL 1.1.0h	18.1.0.0.0	For a copy of license, see OpenSSL .
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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RightTime, Inc.	Mustache for Java	12.3.0.1	Mustache for Java v 0.9.0
		18.1.0.0.0	Copyright 2010 RightTime, Inc.
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Unicode, Inc.	ICU 65.1	21c	For a copy of license, see ICU .
University of Illinois Board of Trustees	UDT (UDP-based Data Transfer) 4.11	12.3.0.1 18.1.0.0.0 19.1.0.0.0 21c	Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: <ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the Copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p>

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 Oracle GoldenGate for Big Data (GGBD). Use of GGBD 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

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

Technology	Supported GoldenGate for Distributed Applications and Analytics Releases
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
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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- 12.2.1.3.0
- 12.2.1.4.0

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Apache	Commons FileUpload 1.3.3	12.2.1.4.0	URL for License - http://opensource.org/licenses/ For more information on this license and/or for a copy of the license, see Apache License Version 2 .
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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 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 .

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Mockito	Mockito	12.2.1.2.0	The MIT License
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Pivotal, Inc.	Spring Framework	12.2.1.4.0	Spring 5.1.3.RELEASE is licensed under Apache 2.0.
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The Apache Software Foundation	Commons Beanutils 1.9.3	12.2.1.4.0	<p>For more information on this license and/or for a copy of the license, see Apache License Version 2.</p>

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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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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Apache	Apache Commons JEXL 1.0	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.

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 Management Pack for Oracle GoldenGate.

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- 11.1.1.9.0
- 12.2.1.2.0
- 12.2.1.3.0

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Apache	commons-logging-1.0.4.jar 1.0.4	12.2.1.2.0	For a copy of the license, see Apache License Version 2 .
IBM	ICU4J 4.8	12.2.1.2.0	For a copy of the license, see ICU4J License .
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.
SpringSource	Spring Security 3.0.1	12.2.1.2.0	For a copy of the license, see Apache License Version 2 .

 **Note:**

This product includes software developed by Spring Security Project (<http://www.springframework.org/security>).

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

- 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:**

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 Kafka 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 licenced 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.

Support and patching entitlements are not included, Oracle Forums is where the community will discuss GoldenGate Free features.

No license entitlements from other GoldenGate packages are included with GoldenGate Free.

For more information see the [Oracle Free Use Terms and Conditions](#).

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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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Jean-loup Gailly and Mark Adler	Zlib Data Compression Library 1.2.11	21c	<p>For a copy of license, see Zlib Data Compression Library 1.2 .11.</p>
Johnny Shelly	BCrypt 1.1-14.e17	21c	<p>Copyright © 2002 Johnny Shelley <jshelley@cahaus.com></p> <p>For a copy of the license, see BCrypt.</p>

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SmartBear Software	swagger-annotations 2.1.12	21c	For a copy of the license, see Apache License Version 2 .
The Apache Software Foundation	velocity-engine-core	21c	For a copy of the license, see Apache License Version 2 .
Unicode, Inc.	ICU 65.1	21c	For a copy of license, see ICU .

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

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2.21 Jackson JSON processor

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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2.22 Xerces-C++ 3.2.1

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