

Oracle GoldenGate for Big Data



KEY FEATURES

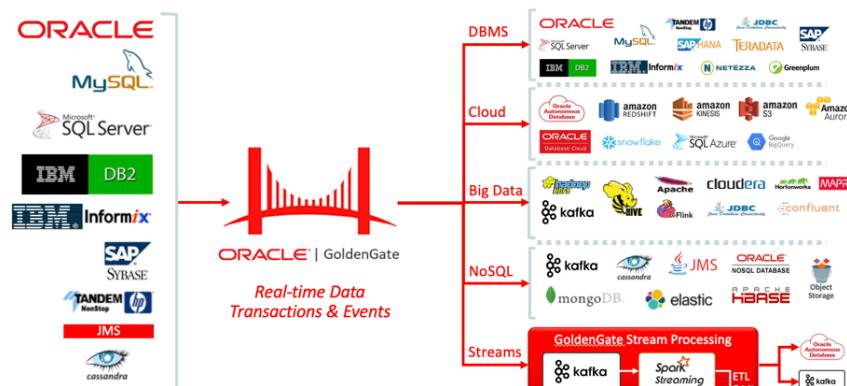
- Non-invasive and real-time transactional data streaming
- Secured, reliable, and fault-tolerant data delivery
- Simple to install, configure, and maintain
- Captures real-time data from messaging systems like JMS and changed data from NoSQL databases, such as Cassandra.
- Streams real-time changed data into Big Data systems, real-time messaging systems, NoSQL Databases, cloud data warehouses, and on-premises Massive Parallel Processing (MPP) appliances.
- Easily extensible and flexible to stream changed data to other big data targets and message queues like JMS, Apache Kafka, Amazon Kinesis etc.
- Automatic data transformation from row-oriented data format to nested or columnar data or compressed formats such as XML, JSON, Avro, Parquet, ORC etc.
- Process and analyze streaming data using an interactive user interface on a scalable and highly available clustered Spark environment using Oracle Stream Analytics.

Oracle GoldenGate for Big Data 19c streams transactional data into Big Data and Cloud systems in real-time, without impacting the performance of source systems. It streamlines real-time data delivery into the most popular Big Data solutions, including Apache Hadoop, Apache HBase, Apache Hive, Confluent Kafka, NoSQL Databases, Elasticsearch, JDBC, Oracle Cloud, Amazon Web Services, Microsoft Azure Cloud, Google Cloud Platform, and Data Warehouses to facilitate improved insight and timely action.

FUNCTIONALITY AT A GLANCE

Big data analytic solutions play a pivotal role in improving business insight and enhancing consumer experience. It is increasingly evident that organizations can realize the full potential value of their data assets by combining the structured transactional data with semi-structured and unstructured data. Businesses also notice that to be agile and react to situations in real time, access to the transactional data with low latency is essential.

Low-latency transactional data brings additional value for business especially for dynamically changing operations that day-old data, structured or unstructured, cannot deliver. Oracle GoldenGate for Big Data offers a comprehensive platform that streams transactional data into Big Data and Cloud solutions in real time, without degrading the performance of the source production systems. It lays the foundation for more efficient operations and an improved customer experience. With its easy-to-use solution, Oracle GoldenGate for Big Data enables IT organizations to quickly integrate into Big Data and Cloud systems without extensive training and additional management resources.



Oracle GoldenGate for Big Data can stream data to major big data and cloud targets

KEY BENEFITS

- Improves IT productivity in integrating with Big Data systems
- Use real-time data in Big Data analytics for more timely and reliable insight
- Improves operations and customer experience with enhanced business insight
- Minimizes overhead on source systems to maintain high performance.

RELATED PRODUCTS

The following products support and complement Oracle GoldenGate for Big Data:

- Oracle GoldenGate
- Oracle GoldenGate Veridata
- Oracle GoldenGate Management Pack
- Oracle Stream Analytics
- Oracle Autonomous Database
- Oracle Exadata

Oracle GoldenGate is a time tested and proven product for real-time data integration and heterogeneous database replication. It supports organizations for real-time data integration for analytical systems, data warehouses, data marts, zero downtime migration and consolidation into cloud architectures, offloading reporting from transactional systems (on premises and cloud) for maximum performance, and active-active database replication for data distribution and continuous availability.

Oracle GoldenGate for Big Data provides optimized and high-performance delivery to Hadoop, Kafka, NoSQL databases such as HBase, MongoDB, Cassandra, Oracle NoSQL, and cloud systems such as Amazon Web Services (S3, Redshift, Kinesis), Microsoft Azure Cloud (Data Lake, HDInsight, Event Hub, SQL Database), Google Cloud Platform (BigQuery), Oracle Cloud Infrastructure (Object Storage) and many others such as Elasticsearch, SAP HANA, IBM PureData System for Analytics, Pivotal Greenplum, Snowflake to support customers with their real-time new data analytics initiatives. Oracle GoldenGate for Big Data includes JDBC and custom Java handlers to enable you to easily integrate to a long tail of databases and applications. GoldenGate for Big Data can also automatically transform relational data into hierarchical data formats such as JSON, XML, Avro or compressed columnar formats such as ORC and Parquet.

Oracle GoldenGate for Big Data is a key component of Oracle's Big Data integration offering along with Oracle Data Integrator and Oracle Stream Analytics for batch or real-time ETL along with machine learning use cases. Oracle combines big data integration with Oracle's Big Data Architecture to give customers the ability to deliver the performance and real time advantages of Hadoop, NoSQL and Cloud technologies.

You can combine Oracle GoldenGate for Big Data with other Oracle products to have an end-to-end platform for big data analytics needs.

Summary

Oracle GoldenGate for Big Data offers a high-performance, fault-tolerant, easy-to-use, and flexible real-time data streaming platform for Big Data environments. It easily extends your real-time data integration architectures to Big Data systems without impacting the performance of the source systems and enables timely business insight for better decision making.

CONTACT US

For more information about Oracle Management Pack for Oracle GoldenGate, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

**CONNECT WITH US**

- blogs.oracle.com/dataintegration
- facebook.com/oracledataintegration
- twitter.com/OracleDI
- oracle.com/goto/goldengate

Hardware and Software, Engineered to Work Together

Copyright © 2019, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 0919