To succeed in today’s competitive environment, you need real-time information. This requires a platform that can unite information from disparate systems across your enterprise without compromising availability and performance. Oracle GoldenGate 19c is a high-performance software application for real-time transactional change data capture, transformation, and delivery, offering bidirectional data replication. The application enables you to ensure that your critical systems are operational 24/7, and the associated data is distributed across the enterprise to optimize decision-making.

REAL-TIME ACCESS TO REAL-TIME INFORMATION

Business-critical systems must offer the highest availability, ensure fast and easy access to the right data, and quickly adapt to changing business and IT demands. With transaction volume increasing at an exponential rate as more and more business processes are conducted online, many organizations need a better solution to collect and deliver immediate access to the tremendous amount of enterprise data.

Oracle GoldenGate 19c provides real-time capture, transformation, routing, and delivery of database transactions across heterogeneous systems and cloud. The software facilitates high performance, low-impact data movement with low latency to a wide variety of databases, platforms, and clouds while maintaining transaction integrity.

WHAT’S NEW IN ORACLE GOLDENGATE 19C (19.1.0) FOR ORACLE DATABASE?

Oracle GoldenGate 19c offers tighter integration and improved performance with the Oracle Database. Oracle GoldenGate 19c’s new features for Oracle include:

➢ Oracle Database 19c Support
➢ Centralized Key Management Service for Oracle Key Vault
➢ Target Initiated Paths to enable replication into secured networks
➢ New REST API Endpoints in the Microservices Architecture
➢ Cross-Endian Support for Remote Integrated Extract for Oracle

WHAT’S NEW IN ORACLE GOLDENGATE 19C (19.1.0) FOR NON-ORACLE DATABASES?

Oracle GoldenGate 19c continues to improve upon the features available for non-Oracle databases such as MySQL, DB2, and SQL Server. Oracle GoldenGate 19c’s new feature highlights for non-Oracle databases include:

➢ MySQL 8.0 certification
➢ SSL support for GoldenGate connections to MySQL

Key Features

- High-performance data replication
- Optimized for Oracle on-premise and cloud environments
- High Performance Parallel Delivery for Oracle
- Support Heterogeneous sources and targets
- Simplified Active-Active implementation for Oracle
- Enhanced Security and support for SSL and Data Encryption
- Flexible Topology Support
- ETL and JMS integration
- Advanced Support for Big Data Integration
- Out-of-Box Native Spark Based Stream Analytics Platform

Key Benefits

- Enhance decision-making with real-time data
- Access mission-critical applications without disruption
- Increase IT flexibility with heterogeneous infrastructure support
- Enable high-performance data replication with minimal impact on production system
- Ensure transactional integrity across heterogeneous source and target systems

Related Products
Oracle GoldenGate 19c on Linux Supports Microsoft SQL Server on Windows

Improved Capture Support for an Always On Read-Only Secondary Database for Microsoft SQL Server

Schema change tracking and monitor long-running transactions for DB2

Delivery for Oracle TimesTen 18c, Classic and Scaleout architectures

**MAINTAIN CONTINUOUS AVAILABILITY OF CRITICAL SYSTEMS**

Oracle GoldenGate 19c helps organizations eliminate the downtime caused by both unplanned and planned outages; and improve system performance and scalability. The software can be configured to support the following scenarios:

- **Zero-downtime operations.** Enable uninterrupted business operations during system upgrade, migration, and maintenance activities.
- **Disaster recovery and data protection.** Create and maintain an immediate failover with up-to-the-minute data to minimize recovery time for mission-critical systems—deploy with Oracle Database across database versions or operating systems, or in non-Oracle environments.
- **Data distribution.** Synchronize data for distributed applications in real time across geographies for reliable access to timely data.
- **Query offloading.** Ensure high performance for production systems while still supporting necessary read-only activities by replicating data between heterogeneous sources and targets.

**ENABLE REAL-TIME DATA INTEGRATION ACROSS THE ENTERPRISE AND CLOUD**

Oracle GoldenGate 19c captures and delivers real-time change data to data warehouses, operational data stores, reporting systems, and other online transaction processing (OLTP) databases with minimal performance impact. This access to real-time information enables improved business insight and analytics.

- **Real-Time Data Warehouse.** Provide continuous, real-time capture and delivery of the most recent change data between OLTP systems and the data warehouse. Oracle GoldenGate 19c integrates easily with Oracle Data Integrator 19c Enterprise Edition and other extract, transform, and load (ETL) solutions. Oracle GoldenGate 19c is certified to capture from and deliver to Oracle Exadata to enable real-time data warehousing or data consolidation solutions. Additionally, Oracle GoldenGate 19c is certified to deliver to Oracle Autonomous Data Warehouse and Transaction Processing platforms.

- **Operational Reporting.** Offload reporting activity from production databases to lower cost of secondary systems with current data for real-time reporting.

- **Operational data integration.** Integrate operational data between OLTP systems in real-time. Enable service-oriented architectures, including Oracle SOA Suite, to operate with real-time data by publishing changed data.

- **Big Data Integration.** GoldenGate for Big Data provides real-time streaming integration to all major Big Data targets such as Apache Hadoop Ecosystem (HDFS, HBase, Hive), messaging infrastructure (Apache Kafka, JMS), NoSQL Databases (MongoDB, Cassandra and Oracle NoSQL), Elasticsearch, JDBC, Amazon Web Services Ecosystem (AWS S3, Kinesis, Redshift), Microsoft Azure Ecosystem, and cloud data warehouses (Google BigQuery, Snowflake).

The following products enable organizations to more completely optimize their solutions for access to real-time information:

- Oracle GoldenGate for Big Data
- Oracle GoldenGate Foundation Suite (Veridata, Management Pack, Studio)
- Management Pack for Oracle GoldenGate
- Oracle Data Integrator
- Oracle Active Data Guard
➢ **Real-Time Streaming Analytics.** GoldenGate integrates seamlessly with Oracle Streaming Analytics that allows users to process and analyze large scale real-time information by using sophisticated correlation patterns, enrichment, and machine learning algorithms. It offers real-time actionable business insight on streaming data and automates action to drive today’s agile businesses.

**CONCLUSION**

Oracle GoldenGate 19c helps organizations harness the value of their IT investments and improve business operations by providing continuous access to mission-critical information in real time. With support for a wide array of continuous availability, disaster tolerance, and data integration scenarios, the software provides a modular foundation that easily scales to address the high-volume, low-impact data integration and replication challenges faced by enterprises today.

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**Integrated Cloud Applications & Platform Services**

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