



Spotlight on: MySQL & Oracle GoldenGate

What is MySQL?

MySQL is the world's most popular open source database. With its proven ease-of-use, performance, and scalability, MySQL has become the leading database choice for Web-based applications, used by high profile web properties including Google, Yahoo!, Facebook, YouTube, Wikipedia and many more.

What is Oracle GoldenGate?

Oracle GoldenGate delivers low-impact, real-time data acquisition, distribution, and delivery across heterogeneous systems. Its wide variety of use cases include real-time business intelligence; query offloading; zero-downtime upgrades and migrations; disaster recovery; and active-active databases for data distribution, data synchronization and high availability.

Why Use Oracle GoldenGate with MySQL?

Organizations can leverage Oracle GoldenGate to move transactional data in real time between MySQL and other systems without impacting the performance of source or target systems. For instance, customers using both MySQL and Oracle Database, whether as part of the same application environment or not, can use Oracle GoldenGate for data sharing/transfer, in the following scenarios:

Real-Time Data Warehousing:

Web properties relying on MySQL/the LAMP stack usually collect a huge amount of data online. Effectively analyzed, this data can generate significant additional business opportunities. Oracle GoldenGate can move Web properties data collected online in MySQL in real time into the Oracle Database, or Oracle Exadata and Oracle Exalytics, for high volume data mining and analytics.

Real-Time Reporting:

MySQL is a very popular choice for custom departmental enterprise applications, and in particular for data marts and analytical applications. Leveraging Oracle GoldenGate, various departments can move a subset of source structured data in real-time from corporate applications (CRM, corporate data warehouse...) into dedicated MySQL-based data marts. Business units or departments can hence get access to the information they need for their own reporting and analysis without impacting the performance of the main application/data warehouse, or creating data integrity risks.

OLTP Query Offloading:

Existing transactional systems built on the Oracle Database can be expanded online to cost-effectively serve thousands of queries per second with MySQL and Oracle GoldenGate. Retailers can deploy scaled-out commodity servers running MySQL to handle online queries related to searches for events, products, auctions, etc. Users can then be pointed to the existing back-end OLTP system for transaction processing once they made a purchase decision. Oracle GoldenGate ensures the real-time synchronization between the MySQL databases and the existing OLTP system.



Oracle GoldenGate is certified with MySQL Enterprise Edition

MySQL Enterprise Edition includes the most comprehensive set of advanced features, management tools and technical support to achieve the highest levels of MySQL scalability, reliability, and uptime. MySQL Enterprise Edition reduces the risk, cost, and complexity in developing, deploying, and managing business-critical MySQL applications. Oracle GoldenGate is fully certified and supported to use with MySQL Enterprise Edition.

MySQL Enterprise Edition :

<http://www.mysql.com/products/enterprise/>

MySQL Enterprise Edition Flash Demo:

http://www.oracle.com/pls/ebn/swf_viewer.load?p_shows_id=10146324

MySQL Enterprise Edition Trial:

<http://www.mysql.com/trials/>

MySQL TCO Savings Calculator:

<http://mysql.com/tco>

Oracle GoldenGate Overview:

[Real-time Access to Real-time Information Whitepaper](#)

Additional Resources

MySQL

www.mysql.com

Oracle GoldenGate

<http://www.oracle.com/goto/goldengate>



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