

## ORACLE DATA INTEGRATION SOLUTIONS AND THE ORACLE EXADATA DATABASE MACHINE

### EXTREME DATA INTEGRATION PERFORMANCE

#### KEY FEATURES

- Fully integrated metadata-driven solution
- Richest ETL for the Oracle Exadata Database Machine, with complex dimension and cube loading support
- High-performance data replication
- Conflict detection and resolution
- Local and remote protection from downtime or data loss due to database or site failure
- Out-of-box integration with databases, ERPs, CRMs, B2B systems, flat files, XML data, LDAP, JDBC, ODBC
- Certified with the Oracle Exadata Database Machine

#### KEY BENEFITS

- Delivers extreme performance data integration capabilities in bulk or real-time
- Takes full advantage of the Oracle Exadata Database Machine hardware, Oracle Data Integration does not require any additional hardware server
- Cuts hardware costs through improved utilization of the Oracle Exadata Database Machine and high-performance data integration
- Provides Maximum Availability of the Oracle Exadata Database Machine
- Unifies data-based, event-based, and service-based integration in a single easy-to-use solution
- Lowers total cost of ownership by maximizing designer productivity
- Open, 100% Java, SOA, Standards based
- Supports heterogeneous sources, targets, and applications

*Oracle's data integration solutions provide a complete, open and integrated solution for building, deploying, and managing real-time data-centric architectures in operational and analytical environments. Fully integrated with and optimized for the Oracle Exadata Database Machine, Oracle's data integration solutions take data integration to the next level and delivers extreme performance and scalability for all the enterprise data movement and transformation needs. Easy-to-use, open and standards-based Oracle's data integration solutions dramatically improve productivity, provide unparalleled efficiency, and lower the cost of ownership.*

#### Overview

The Oracle Exadata Database Machine delivers unbeatable performance and scalability for all your database applications. However companies can only leverage their investment if the optimal data loading strategy is in place. Integrating data efficiently into the Oracle Exadata Database Machine is critical for the enterprise and should not be an afterthought as it lowers the risks and costs associated with a database consolidation or migration effort and speeds up the data integration processes for data warehousing to ensure a faster time to market.

Oracle's data integration product line, including Oracle Data Integrator Enterprise Edition, Oracle GoldenGate, and Oracle Data Quality, offers the best-of-breed solution for providing clean, consistent, continuous access to your data. Combined with Oracle Active Data Guard, the solution provides extreme data integration performance with maximum availability. Oracle's data integration solution is fully certified with and optimized for the Oracle Exadata Database Machine.

Oracle's data integration solutions are optimized to run on, interoperate with and integrate to the Oracle Exadata Database Machine. In independently verified trials, Oracle's data integration solutions speed the loads of the Oracle Exadata Database Machine by 500% while providing continuous access to business critical information across heterogeneous sources.

#### A Complete Solution for Data Warehousing and Data Consolidation

Oracle's data integration solutions help businesses benefit from their investment in the Oracle Exadata Database Machine by addressing multiple data integration needs:

- **Data Warehouse Bulk Loading**—by providing industry leading E-LT capabilities running natively on the Oracle Exadata Database Machine to offer the most efficient data integration platform. Unlike other ETL solutions, Oracle Data Integrator Enterprise Edition allows every transformation to occur on the Oracle Exadata Database Machine, without adding any additional hardware. With this architecture data never leaves the Exadata server, and Oracle Data Integrator Enterprise Edition scales along with the Exadata server. Oracle Data Integrator Enterprise Edition supports many Exadata best practices out-of-the-box including built in support for external tables on DBFS for extremely fast parallel flat file loading, as well as support for many advanced Oracle database features such as

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### RELATED PRODUCTS

Oracle Data Integration combined with the Oracle Exadata Database Machine delivers unique real-time data integration technology that improves performance, increase productivity and reduces data integration costs.

- Oracle Active Data Guard
- Oracle Data Integrator Enterprise Edition
- Oracle GoldenGate
- Oracle Exadata Database Machine
- Oracle Data Quality for Data Integrator
- Oracle Data Profiling
- Oracle Business Intelligence
- Oracle Database
- Oracle Data Warehousing
- Oracle Master Data Management

### RELATED SERVICES

The following services are available from Oracle Support Services:

- Update Subscription Services
- Product Support Services

complex incremental loading strategies which fully exploit the Exadata Smart Scan and Flash Cache technology.

- **Real-time Data Warehouse Updates**—by offering continuous, real-time capture and delivery of the most-recent changed data between OLTP systems and the data warehouse. Oracle GoldenGate is certified to capture from and deliver changed data in real-time to the Oracle Exadata Database Machine and is also fully integrated with Oracle Data Integrator Enterprise Edition to enable real-time data warehousing or data consolidation solutions.
- **Zero Down Time Database Upgrade or Consolidation**—by enabling uninterrupted business operations during system upgrade, migration, and maintenance activities. Oracle GoldenGate allows users to consolidate their old databases into Exadata faster while minimizing the risks and without requiring any down time.
- **Data Warehouse Appliance Migration**—by easily and efficiently propagating data incrementally or in bulk from data warehouse appliances to the Oracle Exadata Database Machine. Oracle Data Integrator Enterprise Edition combines heterogeneous support with the most efficient bulk loading capabilities for the Oracle Exadata Database Machine. In addition, Oracle GoldenGate offers bi-directional replication capabilities to ensure the new and old systems are synchronized while the migration takes place.
- **Maximum Availability**—by providing comprehensive protection from any type of failure and ensuring the high availability of the Oracle Exadata Database Machine. Oracle Active Data Guard and Oracle GoldenGate are key components of the maximum availability architecture for the Oracle Exadata Database Machine offering disaster recovery and query offloading capabilities and supporting active-active database configurations.

### About Oracle Data Integration

Oracle is a leader in the data integration market, with the industry's most comprehensive fully-integrated offering in data integration including:

- **Oracle Active Data Guard** which offers the most complete data protection and availability solution for the Oracle Exadata Database Machine. Oracle Active Data Guard provides the management, monitoring, and automation software to create and maintain one or more synchronized replicas (standby databases) of a production database (primary database).
- **Oracle Data Integrator Enterprise Edition** which delivers unique next-generation, Extract Load and Transform (E-LT) technology that improves performance and reduces data integration costs across heterogeneous systems. Oracle Data Integrator Enterprise Edition includes built-in connectivity to all major databases and applications and provides an easy-to-use user interface which helps improve productivity and lowers the development cost.
- **Oracle GoldenGate** which offers a high-performance software application for real-time transactional change data capture, transformation, and delivery, offering log-based bidirectional data replication. Oracle GoldenGate facilitates high-performance, low-impact data movement with sub second latency to a wide variety of databases and is integrated with Oracle Data Integrator to enable faster and more efficient loading and transformation of real-time data into a data warehouse.

Oracle's data integration solutions offer unparalleled data integration capabilities that lower the costs and ensure the most optimal return on investment for your enterprise by helping you integrate data into the Oracle Exadata Database Machine faster and more efficiently than any other solution and by ensuring the maximum availability of the Oracle Exadata Database Machine.

## Contact Us

For more information about Oracle Data Integration, visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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