

ORACLE DATABASE 10^g RELEASE 2: NEW FEATURE HIGHLIGHTS

NEW ENHANCEMENTS

Oracle Database 10g Release 2 includes new features and enhancements including:

- Grid computing
- Database automation
- Self-management
- Application development
- Business Intelligence
- Higher Quality of Service

For more information, visit www.oracle.com/database



Released in January 2004, Oracle Database 10g is the first relational database designed for Grid computing, delivering information with the highest quality of service, for the lowest possible cost. Only Oracle Database 10g delivers the clustering, workload management, and data center automation required for enterprise grid computing as well as the ease of use required for small businesses. With Release 2, Oracle's focus on improving efficiencies and reducing the cost of information management continues. This data sheet highlights some of the new features in Oracle Database 10g Release 2.

RAPID ADOPTION OF ORACLE DATABASE 10g

Since its release in January 2004, Oracle Database 10g has received widespread endorsement from industry press and independent analysts. *InfoWorld* magazine rated Oracle Database 10g excellent, *eWeek* proclaimed, "Oracle Database 10g does more and demands less," and *Computer Reseller News* described it as, "the most sophisticated database on the market today." Independent analyst studies have shown Oracle Database 10g to be very cost-effective and easier to manage than both IBM DB2 and Microsoft SQL Server. Most importantly, more and more of Oracle's customers and partners are using Oracle Database 10g on clustered, low-cost servers and storage to deliver the performance, scalability, and quality of service that competitors can't match.

GRID COMPUTING, AUTOMATION, SELF-MANAGEMENT

Grid computing is the coordinated use of large numbers of servers and storage acting as one computer. Businesses no longer need to worry about spikes in demand, managing silos of computing resources, and the cost of maintaining excess capacity. Oracle Database 10g enables grid computing by delivering computing power on demand, automatic server and disk load balancing, and easier data center management. Oracle Database 10g Release 2 furthers Oracle's commitment to grid computing, database automation, and self-management, with many new features including:

- Automatic Storage Management (ASM) now includes multiple disk operations, and a non-ASM database migration utility to help migrate existing databases while taking advantage of ASM's dynamic data striping and load balancing.
- Enhancements to data provisioning and Oracle Streams making it much easier and faster to archive, move, and copy large data sets to better share information in a grid environment.

DELIVERING A HIGHER QUALITY OF SERVICE

Oracle Database 10g is proven to be the fastest database for transaction processing, data warehousing, and third-party applications on servers of all sizes. And it's proven to securely protect data and ensure data access 24x7, reducing the risk of data loss and system downtime, while keeping the cost of computing down. Oracle Database 10g Release 2 continues to focus on delivering an even higher quality of service with:

- Cluster Ready Services Open API for higher application availability and built in clusterware file redundancy to reduce the risk of failure.
- Fully integrated tape backup and recovery solution, offering reliable Oracle database and file system protection utilizing tape devices.
- New Fast-Start Failover for rapid and automatic fail over to standby databases, without requiring any manual intervention.
- Integrated transparent data encryption and key management in the database, helping customers protect sensitive data in an Oracle Database without any changes to their application.

REDUCING THE COST OF COMPUTING

Oracle Database 10g is the world's most affordable self-managing database, eliminating many of the traditional manual administration tasks such as performance tuning, and disk and memory management. Oracle Database 10g Release2 furthers Oracle's commitment to reducing the cost of computing in all aspects of database development and deployment with:

- Automated database administration enhancements include statistics collection directly from memory, eliminating the need to execute SQL queries. New administrative reports include automatic database workload repository comparison to help understand changes in workloads and possible performance impact.
- Application development enhancements include Xquery feature for queries and mapping of XML results inside the database. Oracle HTML DB makes it easier to develop and deploy web-based database applications. Oracle's commitment to the Windows platform continues with support for CLR stored procedures and tight integration with Visual Studio.
- The cost of business intelligence is reduced with data mining PL/SQL package support for analytic applications such as Oracle Discoverer. Improved VLDB support is available with more partitions per table and more efficient partition management and query optimization. Information cycle time is reduced with enhanced data loading and query processing improvements.

For more information, visit www.oracle.com/database or call 1-800-633-0615.