

## EMC Backup and Recovery for Oracle Data Warehouse

The data stored in an Oracle data warehouse is increasing in strategic importance. As a result, the ability to efficiently and predictably address data protection requirements is even more critical. Most enterprises have existing strategies for protecting data in operational Oracle database systems. And many customers assume that they need either the same or perhaps even less data protection and recovery processes for Oracle data warehouses. But is this a realistic assumption?

- Do you understand how long it would take to rebuild a data warehouse after a failure?
- What would be the impact to your business operations?
- How much would this cost your organization?
- How much data are you willing to lose because of a failure?
- How long would it take to restart and access your data warehouse application after a failure?

Managing the backup and recovery of data warehouses can be a daunting task and traditional OLTP backup and recovery strategies may not meet the needs of a data warehouse. Data warehouses have grown in size to such an extent that IT departments struggle with completing the backup in the available time. The current methods that many rely on for backup and data retention simply cannot keep up. Backup infrastructure size and growth are tied directly to the size and growth of the production environment. As production capacities grow, so does the data warehouse. Also, the recovery-time objectives (RTOs) and recovery-point objectives (RPOs) may differ as data warehouses contain significant amounts of static—yet still important—data.

### Solution Description

The EMC<sup>®</sup> Backup and Recovery for Oracle Data Warehouse solution provides you with recommended reference architectures and documented best practices for implementing an end-to-end Oracle data warehouse backup and restore process. Leveraging industry-leading technologies such as EMC tiered storage, EMC NetWorker<sup>®</sup>, and EMC Disk Library, coupled with Oracle technologies including Oracle RMAN enables you to deploy a robust backup and recovery process to support your analytical data requirements. EMC has invested in the testing and discovery of what works well for data warehouse backup and recovery. We have lab-validated this solution and documented technical reference architectures and best practices to help enable an accelerated, predictable implementation and support ongoing operational management.

### EMC—a Leading Participant in the Oracle Optimized Warehouse Initiative

EMC extends its solutions-development activity by participating in the Oracle Optimized Warehouse Initiative. This program provides customers a choice of reference configurations and optimized warehouses that combine the world's most popular database with hardware from leading computer manufacturers. These reference configurations and optimized warehouses are built on modular components that help customers incrementally scale their data warehouse systems. Leveraging the power of EMC Symmetrix<sup>®</sup> and CLARiiON<sup>®</sup> systems, EMC delivers five-nines (99.999 percent) availability, lower costs, improved price/performance, flexibility, and scalability for your Oracle data warehouse environments.



## Why EMC for the Oracle Data Warehouse Infrastructure

- Reduce the time, cost, and risk of deploying an Oracle data warehouse on an EMC information infrastructure
- Achieve your Oracle data warehouse recovery-time objectives (RTOs) and recovery-point objectives (RPOs) in a cost-effective and predictable manner—without impacting the primary data warehouse
- Leverage deduplication and compression appropriately to obtain cost and space savings
- Use our expertise to help you align the most-appropriate technologies to support backup and recovery policies and requirements
- Ensure optimal performance and scalability by leveraging the power of EMC unified storage to support fast serial reads as required for OLAP environments
- Reduce training costs and provide knowledge transfer between the customer, EMC, and Oracle by leveraging documented reference architectures and best practices

EMC has invested in the discovery and identification of the most-appropriate backup and recovery technologies to help you achieve your Oracle data warehouse availability and recovery objectives. Couple this with EMC proven expertise across thousands of data warehouse environments and you have a confident choice for your Oracle data warehouse environments.

## EMC Proven Solutions

EMC Proven™ solutions help you identify and overcome business challenges by reducing risk and improving time to value of your information infrastructure. EMC leverages its expertise and proven technologies with its strategic relationships with Cisco, Microsoft, Oracle, SAP, and VMware® to deliver solutions that support your business and technical requirements. All solutions are rigorously tested and documented with reference architectures and best practices designed to reduce the total cost of ownership of the infrastructure and increase IT efficiency.



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### Take the next step

To learn more about EMC's solutions and expertise for Oracle data warehouse environments, visit [www.EMC.com](http://www.EMC.com) or contact your local EMC account manager.