

OPTIMIZING ORACLE DATA PROTECTION WITH EMC DATA DOMAIN DEDUPLICATION STORAGE

ESSENTIALS

Inline deduplication enables better disk-based data protection for Oracle

- Perform Oracle full backups to disk, reducing the dependence on tape backup infrastructure
- Store weeks or months of full backups using 10-30x reduced disk footprint on average
- Perform Oracle full backups more often allowing for faster recovery

Seamless integration with Oracle data protection best practices

- Enable Oracle backups direct to disk using RMAN procedures
- Support Oracle Secure Backup or most commercial backup applications using Data Domain VTL software
- Simplify backup monitoring and troubleshooting with common procedures across all Oracle instances

WAN-efficient replication enables cost-effective disaster recovery

- Reduce the reliance on tape as only means of backup and recovery
- Improve RPO/RTO service levels by moving data to offsite locations quickly, and automatically, greatly reducing bandwidth utilization
- Simplify and automate Oracle DR procedures utilizing the replicated copies of all RMAN backups

THE IMPORTANCE OF ORACLE DATA PROTECTION: BALANCING COSTS AND EFFICIENCIES

Businesses and government entities worldwide run Oracle databases to support their most mission-critical applications. Not only are these applications the least tolerant of downtime, they often generate high rates of data growth. Organizations vary tremendously however, in their approaches to protecting Oracle-based data.

Many IT organizations perform full Oracle backups on a nightly basis often together with an incremental backup strategy. To meet their data recovery requirements, most businesses must store these backups for 30 days or more. Over time this can lead to exponential growth in disk capacity, causing many IT organizations to continue to rely on tape for storing most of their data to control cost.

ORACLE DATA PROTECTION CHALLENGES

COMPLEX ORACLE DATA RECOVERY

Recovering Oracle database systems often requires Oracle DBAs coordination with other IT groups and legacy backup infrastructures. There is opportunity to make this process more efficient while providing Oracle DBAs with a storage infrastructure that can help to simplify their backup and recovery processes.

FAILURE TO MEET RECOVERY POINT OBJECTIVES (RPOs) AND RECOVERY TIME OBJECTIVES (RTOs)

Heavy dependence on tape-based strategies for moving data offsite raises costs while lowering service levels. The recovery points are often obsolete due to delays in retrieving media, while the time required to recover data from tape is unnecessarily long. Lost data and recovery delays have a direct impact on business end-users and critical processes dependent on Oracle systems.

COST OF STORAGE INFRASTRUCTURE

As Oracle databases continue to grow, IT organizations require additional disk and tape capacity to store full backup copies. This can often force IT organizations to retire data to tape before short-term retention policies expire in order to free up disk.



DATA DOMAIN SUPPORTS DATA PROTECTION BEST PRACTICES FOR ORACLE

Getting the most value out of your Oracle data protection strategies requires careful consideration of the benefits and tradeoffs of each approach. Capacity and bandwidth requirements must be balanced with administrative and budgetary constraints to ensure that mission-critical Oracle databases are reliably recoverable within defined service level agreements (SLAs). Data Domain deduplication storage is easily deployed as the critical infrastructure for Oracle data protection best practices, enabling businesses to meet these goals today and in the future.

LEARN MORE

To learn more about EMC Data Domain deduplication storage benefits and how it works with Oracle to enable best practices for data protection, visit the EMC Data Domain website at: www.datadomain.com/solutions/oracle.html

CONTACT US

To learn more about how EMC backup and recovery products, services, and solutions, please contact your local representative or authorized reseller—or visit us at www.EMC.com

EMC², EMC, where information lives, and Data Domain are registered trademarks or trademarks of EMC Corporation in the United States and other countries. All other trademarks used herein are the property of their respective owners. © Copyright 2010 EMC Corporation. All rights reserved. Published in the USA. 11/10 Customer Profile H7501

EMC Corporation
Hopkinton, Massachusetts 01748-9103
1-508-435-1000 In North America 1-866-464-7381
www.EMC.com

EMC Backup Recovery Systems
Santa Clara, California 95054
1-408-980-4800 In North America 1-866-933-3873

EMC²
where information lives®