



# ExaGrid® and Oracle Database Backup Appliance

SOLUTION BRIEF



ExaGrid EX13000E Named  
"Best in Class"



ExaGrid Wins  
"Best Value for the Money"



InfoWorld.com Awards ExaGrid ES  
"Technology of the Year - 2013"



ExaGrid Named  
"Disk Backup Champion"



ExaGrid Recognized as "Top Emerging  
Vendor" in Customer Interest

## ExaGrid Reduces Primary Storage Costs for Oracle Administrators

The use of primary storage as a backup target adds tremendous cost and complexity of protecting the databases that your organization manages. ExaGrid eliminates the need for expensive primary storage for database backups without affecting the ability to use familiar built-in database protection tools.

Databases often represent some of those most critical assets in the data center - customer information, financials, human resources information, and a variety of other critical elements. Database administrators must rely on their organization's backup policies and procedures to ensure that the databases they manage can be recovered in the event they are corrupted or lost. Inadequate protection policies can lead to:

- Loss of productivity to run disruptive backup agents on production database servers
- Extra cost from allocating costly primary storage as a "dump" area for temporary backups
- Financial loss and longer downtime due to relying on tape for restore of critical databases
- Loss of data by relying on unreliable tape to store all historic copies of database backups
- Long recovery times in the event of a disaster as offsite backups are also stored on tape

While built-in database tools for Oracle and SQL provide the basic capability to backup and recover these mission-critical databases, most administrators use standard primary storage to hold additional database backups.

## Better Database Backups

Adding an ExaGrid disk-based backup appliance allows backup and database administrators to gain control over their data protection needs, at lower cost and with lower complexity without affecting the ability to use familiar built-in database protection tools. ExaGrid's integrated zone-level deduplication allows database administrators to store more database copies and logs in a smaller footprint than it would take to store one copy on primary storage. With ExaGrid, you can achieve:

- Fast, simple disk-based database backups
- Quick and reliable restores
- Dramatic costs savings of 50 to 90% over using primary storage for backups
- WAN-efficient replication of database backups to an off-site location
- Cost-effective scale as your databases grow with ExaGrid's unique GRID architecture

## Increased Backup Flexibility

With an ExaGrid Systems disk-based backup appliance for databases, administrators can augment their existing backup and recovery policies and procedures using a turn-key, cost effective storage appliance. Backup and database administrators who deploy an ExaGrid appliance can determine:

- The type and timing of backups that will be run
- The amount of disk storage allocated to database protection
- Total retention of the database backups



# ExaGrid and Oracle

## Fast Simple, Disk-Based Backups of Databases

The combination of familiar built-in database protection tools and an ExaGrid disk-based backup with deduplication appliance delivers fast database backups. ExaGrid's post-processing deduplication architecture allows database backups to land a full copy in a high-speed landing zone before performing data deduplication. Deduplicating the database backup only after the backup has landed provides a 2:1 or greater performance advantage and provides an additional layer of protection by always having a full copy of the last backup.

## Quick and Reliable Restores

ExaGrid's unique landing zone approach maintains your most recent database backups intact in their non-deduplicated form. This provides support for any object-level restore capabilities that your database protection tools may provide. The result is less downtime and financial loss than recovering from tape or from disk-based appliances that only store deduplicated copies of your databases.

## Dramatic Cost Savings of 50 to 90% Compared to Primary Storage for Backups

ExaGrid appliance. Effective database protection requires keeping multiple days of copies to avoid ever having to attempt recovery from tape backups.

ExaGrid's unique zone-level deduplication allows organizations to keep days, weeks or even months of database copies in the less space than it would take to keep one to two copies on expensive primary storage. By moving those staged database backups off of expensive primary storage, organizations can re-purpose that primary storage for a more appropriate use and defer the need to expand it.

## Cost Effective Scaling as Databases Grow

The aggregate performance of the ExaGrid appliances scales to match data growth. Each appliance in the GRID brings with it all the elements needed to maintain high backup and recovery performance, keeping database backup times short as data grows. With ExaGrid, there is never a forklift upgrade required to expand the overall capacity of the system or to simply maintain backup performance.

## Summary

ExaGrid's disk-based backup appliance for databases provides backup and database administrators with another important tool to augment current database backup and recovery policies and procedures.

- Greater control over protection of your business-critical databases
- Fast, simple disk-based backups of your databases
- Quick and reliable restores
- Dramatic costs savings of 50 to 90% over using primary storage
- WAN-efficient replication of your database backups to an offsite location
- Cost-effective scaling as your databases grow with ExaGrid's unique GRID architecture

## ExaGrid Scale-Out "GRID" Architecture

