DCIG

*ExaGrid EX13000E Named
"Best in Class"*

STORAGE AWARDS
THE STORRIES IX

*ExaGrid Wins
"Best Value for the Money"*

InfoWorld.com ★ 2013 AWARDS ★ TECHNOLOGY OF THE YEAR

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

INFO~TECH research group

*ExaGrid Named
"Disk Backup Champion"*

Gartner®

*ExaGrid Recognized as "Top Emerging
Vendor" in Customer Interest*

High Performance, Scalable Disk Backup with Data Deduplication

ExaGrid is a scalable, cost-effective disk-based backup with deduplication solution that revolutionizes how organizations back up and protect their data.

With ExaGrid, you get the only disk backup appliance purpose-built for backup that leverages a unique architecture optimized for backup and restore performance, scalability, and price. Only ExaGrid's performance-based GRID architecture offers you:

- Fastest backups up front with permanently short backup windows as data grows
- Instant recovery of full systems, VMs, and files so you have the least downtime
- Lowest total cost over time by eliminating "forklift" upgrades and product obsolescence

Our patented zone-level deduplication reduces the disk space needed by a range of 10:1 to 50:1 by storing only the unique bytes across backups instead of redundant data. Post-process deduplication delivers the fastest backups, and as your data grows, only ExaGrid avoids expanding backup windows by adding full servers in a GRID. ExaGrid's unique landing zone keeps a full copy of the most recent backup on disk, delivering the fastest restores, instant VM recovery, "Instant DR" and fast tape copy. And, as data grows, ExaGrid saves you 50% in total system costs compared to competitive solutions by avoiding costly "forklift" upgrades.

Replace Tape with Cost-Effective Disk-Based Data Protection

Using ExaGrid's disk backup solution to replace tape in the nightly backup process can reduce backup windows by up to 90%. A typical 12-hour backup window can be decreased to as little as two to three hours. ExaGrid improves the speed and reliability of your backups and restores, including support for advanced virtualized server recovery techniques such as instant VM recovery. For offsite long-term retention or disaster recovery, ExaGrid offers the ability to transfer backup data to an installed system at a remote location to supplement or eliminate offsite tapes. ExaGrid also supports multi-site topologies where multiple locations can transfer backup data to a centralized site for DR protection. ExaGrid is very cost-effective at transferring backup data offsite because ExaGrid's deduplication only moves changes, requiring minimal WAN bandwidth. The costs and reliability issues associated with tape handling, shipment, and storage are significantly reduced or eliminated.

ExaGrid Appliance

The ExaGrid system includes standard appliances along with ExaGrid's software to deliver a complete turnkey solution for disk backup with data deduplication. The ExaGrid appliance is rack-mountable and uses standard components, including multi-core processors, enterprise SATA drives, and Gigabit Ethernet connection(s).

ExaGrid works seamlessly with all popular backup applications, so you can preserve your existing investment in backup applications and processes. Using ExaGrid is as simple as pointing your existing backup jobs at a NAS share on the ExaGrid appliance. Backup jobs are sent directly from the backup application to the ExaGrid appliance for onsite disk backup. The backup application can create copies from the ExaGrid system directly to your tape library for offsite storage, or you can deploy a second-site ExaGrid to reduce or replace offsite tape.

EXAGRID™

ExaGrid Product Overview: Disk Backup with Deduplication

Highest Performance for Backups

- Fastest backup performance using post-process deduplication, so nothing interferes with the data writing directly to disk, at the speed of disk
- Backup windows kept permanently short as data grows by adding full servers (with processor, memory, disk and bandwidth) in a GRID

Fastest Restores and Instant Recovery

- Fastest restore and tape copy performance from the most recent backup kept in its whole form. No reassembly from small blocks and large hash tables is required.
- Instant recovery of VMs from high-speed landing zone, which maintains a full copy of the latest backup. If the primary VM is unavailable, recover and run a VM from the ExaGrid system within minutes.

Most Cost-Effective Solution with No "Forklift" Upgrades

- Scalable next-generation GRID architecture with full servers provides plug-and-play expansion. To add an ExaGrid appliance, you simply plug it in and let ExaGrid's GRID software virtualize the backup capacity pool.
- Multiple appliances allow full backups of 1TB, 2TB, 3TB, 4TB, 5TB, 7TB, 10TB, or 13TB with corresponding raw capacity of 3.5TB, 5.5TB, 9TB, 11TB, 13TB, 16TB, 23TB, and 32TB, respectively. Any size appliance can be mixed and matched in multiple different configurations with up to ten servers combined into a single GRID of up to 320TB raw capacity, allowing full backups of up to 130TB.
- 50% lower total system cost vs competing systems over time by eliminating the costly "forklift" upgrades associated with a first-generation front-end controller/disk shelf architecture.

Features

- Turnkey cost-effective disk-based backup solution with all hardware and software included.
- Zone-level deduplication technology reduces the amount of disk space needed by as much as 50:1.
- Unique landing zone reduces downtime by keeping a full copy of the most recent backup in complete form for instant recovery of VMs, full systems and files. Competing solutions must reassemble the most recent backup from millions or billions of deduplicated chunks causing much longer recovery time.
- Scalable GRID computing architecture allows for cost-effective growth and eliminates obsolescence.
- Plug-and-play expansion – easily scale from 1TB to 130TB full backup (3.5TB to 320TB raw capacity) in a single GRID without "forklift" upgrades.
- "InstantDR" capability keeps the most recent full backup at a customer's disaster recovery site in a complete, non-deduplicated form, ready for high-speed recovery when needed.

- Single primary site system allows for existing offsite tape strategy if desired, and support for two site or multi-site topologies can supplement or eliminate off-site tape with a disk-based system
- Management software notifies via SNMP or email that the system is reaching capacity thresholds.
- RAID6 guards against up to two simultaneous disk failures.
- Self-Encrypting Drive (SED) technology (encrypted models only) ensures that data at rest is always protected.
- A comprehensive listing of supported backup apps and utilities can be found at **www.exagrid.com**. Some of these include: Symantec Backup Exec, Symantec NetBackup, Acronis Backup & Recovery, Bridgehead HDM, CA ARCserve, CommVault Simpana, Dell vRanger, EMC NetWorker, HP Data Protector, IBM iSeries/AS400 (LaserVault UBD), IBM Tivoli Storage Manager, Idera SQLsafe, LiteSpeed for SQL Server, Red Gate SQL Backup, Unitrends Enterprise Backup, Veeam Backup & Replication, VMware .vmdk files, POSIX-compliant TAR files, Oracle RMAN, and SQL Dump

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