ExaGrid®
Cost-Effective Disk-based Backup™

ExaGrid is the only solution that satisfies all seven requirements of Cost-effective Disk-based Backup.

The 7 Requirements

1. Leverage existing backup applications and processes

2. Reduce nightly backup window

3. Enable fast and reliable restores utilizing a disk-based verified data approach

4. Eliminate tape management challenges through the use of disk and server technology

5. Provide efficiency through byte-level data de-duplication technology

6. Co-exist with existing tape strategy

7. Supplement offsite tapes with a live disk-based data repository solution that satisfies all seven requirements of cost-effective disk-based backup

About ExaGrid

An Easy to Use Disk-based Backup Solution with Byte-level Data De-duplication

ExaGrid is a cost-effective and scalable disk-based backup solution that works with your existing backup application. ExaGrid combines high quality SATA drives, compression and data de-duplication for fast and reliable backups and restores.

ExaGrid's innovative approach minimizes the amount of data to be stored by providing standard data compression for the most recent backups, along with byte-level data de-duplication for all previous backups. ExaGrid's byte-level data de-duplication technology stores changes from backup to backup instead of storing full file copies. This unique approach reduces the disk space required by at least 10, and up to 50 to 1, delivering unparalleled cost savings and performance all in a solution that is less than 30% the cost of standard SATA based storage.

Replace your Tape Library with the Lowest Cost Disk-Based Data Protection

Using ExaGrid's disk-based solution instead of tape can reduce an organization's backup window by 30% to 80%. A typical 12-hour backup window can be decreased to as little as four hours. ExaGrid increases the speed and reliability of your backups and also provides faster and more reliable restores. For off-site long term retention or disaster recovery, an optional second site system can be deployed at another location to supplement or eliminate offsite tapes with a live disk-based data repository, providing fast recovery in the event of a disaster. ExaGrid is extremely cost effective as a second site because the byte-level data de-duplication technology only moves changes, requiring minimal WAN bandwidth. The costs associated with tape handling, shipment, and storage are significantly reduced or eliminated.

The ExaGrid System

The ExaGrid system is based on standard servers that are shipped along with ExaGrid's unique software to deliver a complete turnkey solution for disk-based backup. The ExaGrid system is rack-mountable and uses standard components, including Intel dual-core Xeon processors, Seagate SATA drives, and Gigabit Ethernet connection(s).

ExaGrid works seamlessly with all popular backup applications. With ExaGrid, backup jobs are sent directly from the backup application to ExaGrid for onsite disk-based backup. The existing backup application can create copies from the ExaGrid system directly to your existing tape library for offsite storage, or you can choose to deploy a second site ExaGrid system at an alternate location to reduce or replace off-site tape.

With ExaGrid, you can preserve your existing investment and keep your current backup application and processes. Using ExaGrid is as simple as pointing your existing backup jobs at a NAS share on the ExaGrid system. The system scales as required by adding ExaGrid servers, which virtualize into the GRID architecture automatically, adding capacity and processing power while acting and being managed as one system.

E X A G R I D ®
S Y S T E M S

ExaGrid® Cost-Effective Disk-based Backup™

The ExaGrid Advantage

Highest Performance for Backup, Restore and Tape Copy

- Fastest backup performance using post-processing so nothing interferes with the data writing directly to disk, at the speed of disk.

- Fastest restore and tape copy performance with Byte-level Data De-duplication which keeps the most recent backup in its whole form - no re-assembly from small blocks and large hash tables.

Scalable GRID Architecture

- ExaGrid provides plug and play growth in place – new systems virtualize together automatically – no splitting data or losing de-duplication efficiency across separate systems.

- Performance scales with data growth because as storage capacity grows, corresponding processing and memory power scales in balance.

- Perfect for environments with up 60 TBs of backup data

Most Cost-Effective Solution

- Granular sizing options right-size to backup data.

- GRID scalability allows system to be matched to current data and added to when required – no need to over-buy up front.

- Roll out for critical data now and grow the system in the future

Features

- Turnkey cost-effective disk-based backup solution with all hardware and software included.

- Unique up to 50 to 1 data de-duplication technology combined with last backup compression reduces the amount of disk space needed by as much as 50 to 1, resulting in a cost that is less than 30 percent of traditional SATA disk.

- ExaGrid's byte-level data de-duplication technology provides a WAN efficiency on average of 50 to 1.

- Works with existing backup applications such as Backup Exec™, NetBackup, ARCServe, Galaxy, Networker, SQL Server Dump and others.

- Single primary site system allows for existing offsite tape strategy.

- Available second site system supplements offsite tape with a live disk-based data repository for long term offsite retention or disaster recovery.

- Management software notifies via SNMP or email that the repository is reaching capacity thresholds.

- RAID6 guards against up to two simultaneous disk failures.

- Scalable GRID computing architecture allows for growth and eliminates server obsolescence.

- Servers of any capacity and configuration can be added in at any time.

- Room for growth – by combining compression with byte-level data de-duplication technology, an ExaGrid system can serve for years before capacity needs to be added. Using straight SATA drives, capacity needs to be constantly added.

Compliments of: EXAGRID® SYSTEMS

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