



ExaGrid®

Cost-effective Disk-based Backup with VMware

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

The 7 Requirements

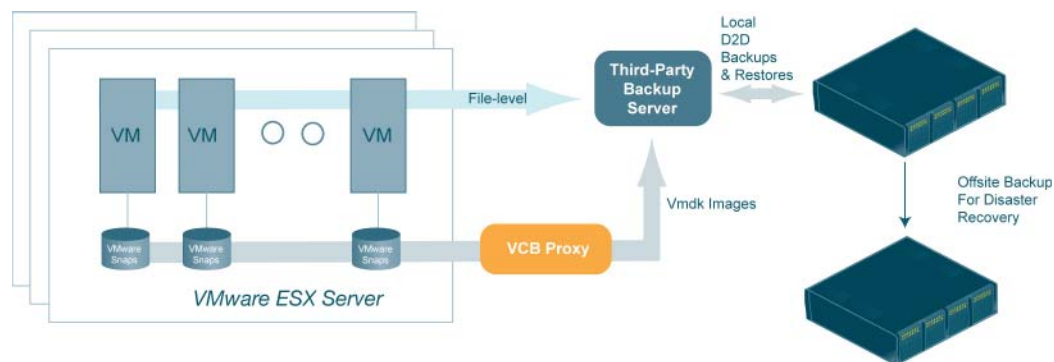
1. Leverage existing backup applications and processes
2. Reduce nightly backup window
3. Enable fast and reliable restores utilizing a disk-based verified data approach
4. Eliminate tape management challenges through the use of disk and server technology
5. Provide efficiency through byte-level data 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

VMware customers can add ExaGrid for simple, quick and cost-effective disk-based backup

Server virtualization provides many significant benefits. VMware, as the leader in the server virtualization space allows organizations to take advantage of:

- Reduction in hardware costs – by hosting multiple virtual machines in a single physical server, VMware extracts more value from each server
- Increased control over operational costs – by reducing the amount of physical hardware requirements, VMware lowers an organization's power, cooling, and space requirements.
- Improvement in availability and recoverability – by isolating individual applications from others in the same physical hardware, VMware reduces application conflict and gives organizations the ability to recover one critical business application without interrupting another.

Because of its critical place in an organization's IT infrastructure, the backup and recovery strategy around VMware is of paramount importance. VMware infrastructure creates a unique set of challenges when it comes to backup and disaster recovery. First, images are typically very large and therefore require significant space on your backup media. (Second, since the entire virtual system is one image, it needs to be backed up frequently). In combination, frequency and size mean the VMware backups can quickly become unwieldy and highly expensive to retain at the same levels as standard server backups. This presents further challenges for meeting data recovery SLAs, auditor requirements and/or legislative mandates.



For these reasons, ExaGrid's cost-effective disk-based backup system is uniquely suited for environments that have investments in VMware and want a cost-effective and scalable on- and off-site disk-based backup system. You get the following benefits:

- Patented byte-level data de-duplication to minimize the amount of data stored in each subsequent backup.
- De-duplication ratios of daily .vmdk (virtual machine disk format) of thousands to one
- Backup windows are cut by as much as 80%.
- Restores are fast and highly reliable. Many restores go from hours or even days down to seconds or minutes.
- Elimination of the reliance on on tape for VMware backups and the associate tape management, handling and transportation costs.

Scalability That Meets Your Business Needs

The ExaGrid system fully leverages your existing backup application's built-in VMware protection and backup to disk capabilities. ExaGrid adds the benefits of byte-level data de-duplication to save you money over standard disk solutions. ExaGrid users will see a reduction of up to thousands to one in the disk space required to store your.vmdk files. This allows your organization to store more virtual machines and associated data in the smallest amount of disk possible.

As your number of virtual machines and the amount of associated data grows, ExaGrid's scalable architecture enables you to simply plug in additional ExaGrid servers to create a larger virtual pool of storage rather than a series of isolated boxes. Your backup application automatically recognizes this additional storage as well. ExaGrid Systems enables your on- and off-site backups to grow with your needs without a lot of additional expense and on-going configuration and management.

Faster, More Reliable Backups

Your virtual machine backups are faster and more reliable. You can back up a wide variety of information hosted in your virtual environment – from databases and Microsoft Exchange to files, engineering drawings, images, and more – all using your current backup application. Further, you can back up the virtual environments themselves, ensuring the highest possible availability.

You can also eliminate offsite tapes by having a copy of your backups off-site on disk using data de-duplication to efficiently transfer the data. You will be able to achieve faster and more reliable recoveries in the event of primary backup failure or other type of disaster, with minimal WAN bandwidth utilized, because only the changes traverse the WAN.

Key Benefits

- 30% of the cost of standard SATA storage due to a unique combination of compression and byte level data de-duplication.
- Cut backup windows by as much as 80%.
- Ensure granular restores as your backup application manages your virtual environment.
- Meet service level goals and improve recovery time objective or RTO.
- Enable disaster backup by automatically copying backup data to a second site. Only the bytes that change traverse the WAN.
- As your data grows, add capacity into a single virtual system vs. creating separate islands of backup storage. The system automatically adapts to the "plug and play" expansion.
- Manage growth via automatic load balance and capacity management.

For More Information

Call us at 800.868.6985 | Email us at info@exagrid.com | Request a presentation at www.exagrid.com