

ExaGrid Disk-Based Backup and IBM Tivoli Storage Manager (TSM)

DATA SHEET

Gartner

ExaGrid Named "Visionary" in the 2015 Magic Quadrant for Disk Backup with Deduplication Appliances



DCIG Rates ExaGrid #1 "Recommended Deduplicating Backup Appliance" in 2018 Buyer's Guide



ExaGrid Wins Storage Awards' "Enterprise Backup Storage Vendor of the Year - 2018"



ExaGrid Voted SVC's "Product of the Year, Hyper-converged Backup and Recovery/Archive - 2017"



Storage Magazine Names ExaGrid "Product of the Year, Backup & DR Hardware Finalist - 2017"

Disk-Based Backups with IBM Tivoli Storage Manager and ExaGrid

IBM Tivoli Storage Manager (TSM) users can quickly and efficiently back up their data on the most cost-effective and scalable disk-based backup system available on the market. By backing up to an ExaGrid appliance, IBM TSM customers can improve their backup and restore performance, achieve rapid recovery from system or site disasters, eliminate primary disk pools, and gain greater freedom from tape management issues.

Fast Backup and Restore Performance

Moving from tape to a disk-based backup appliance from ExaGrid can significantly reduce backup times, helping customers stay within their backup window and avoiding the hassles and delays of backing up to tape. Restores are also much faster and easier, as ExaGrid's landing zone architecture keeps the most recent backup intact in non-deduplicated form, ready to be rapidly restored when needed.

Simplify and Save by Eliminating Primary Disk Pools

When backing up with IBM TSM to ExaGrid, the primary disk pool to which TSM backups are typically initially staged can be eliminated. Instead, the ExaGrid appliance itself can serve as both the primary disk pool and primary storage pool. This eliminates the need for a separate primary disk pool, and allows you to re-purpose that disk storage for other uses, reducing costs and making your management challenge that much simpler.

Fast Backup and Restore Performance

Moving from tape to a disk-based backup appliance from ExaGrid can reduce backup times from 30% to 90%. In addition, the ExaGrid appliance keeps the most recent backup intact in non-deduplicated form, ready to be rapidly restored when needed.

Scalability That Meets Your Business Needs without Costly "Forklift" Upgrades

With ExaGrid's scale-out architecture, each appliance in the system brings with it not only additional disk, but also additional memory, bandwidth, and processing power – all the elements needed to maintain high backup performance. This keeps the backup window short as data grows, since growth is accommodated by simply adding additional appliances to the system. There is no need to replace less powerful appliances with more powerful ones – no forklift upgrades; you simply add more appliances to the system. You get the shortest possible backup times with the ability to easily keep those times short as your data grows over time.

WAN Efficient Method to Move Backups to Offsite Disk

The costs and hassles of handling, transporting, securing and storing tapes at offsite locations for disaster recovery was once a necessary evil. When backing up IBM TSM to an ExaGrid appliance, however, organizations can eliminate or greatly reduce the need to restore from tape, even when the restore is coming from an offsite copy of the backup data. ExaGrid's

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ExaGrid and IBM Tivoli Storage Manager (TSM)

disk-based backup with deduplication not only saves capacity for storing backups, but also it greatly increases WAN efficiency when transferring a copy of that data to an offsite location for disaster recovery protection. A secure connection assures data integrity while also alleviating hours of manual handling of tapes to and from locations.

Easy to Install, Use, and Manage

With the combination of IBM TSM and ExaGrid disk-based backup, you can eliminate the management hassles of tape and also avoid expensive, complex VTL-based solutions. The ExaGrid appliance fits easily into your backup environment behind your existing TSM backup server. Simply plug in the ExaGrid behind your TSM server and point your TSM backups to the ExaGrid appliance via a NAS (CIFS or NFS) share, and you are ready to begin executing backups. Once installed, backup management is made simple with ExaGrid's intuitive management interface and reporting capabilities.

ExaGrid in a TSM Environment

When you install an ExaGrid in an IBM TSM environment, your management challenge becomes dramatically simpler. You no longer need to manage a separate primary disk pool as a staging area from which to copy daily TSM backups, as the ExaGrid itself effectively acts as both the primary disk pool and the primary storage pool. This can allow you to free up the expensive disk that you were using as your primary disk pool, and reclaim that for your primary storage needs.

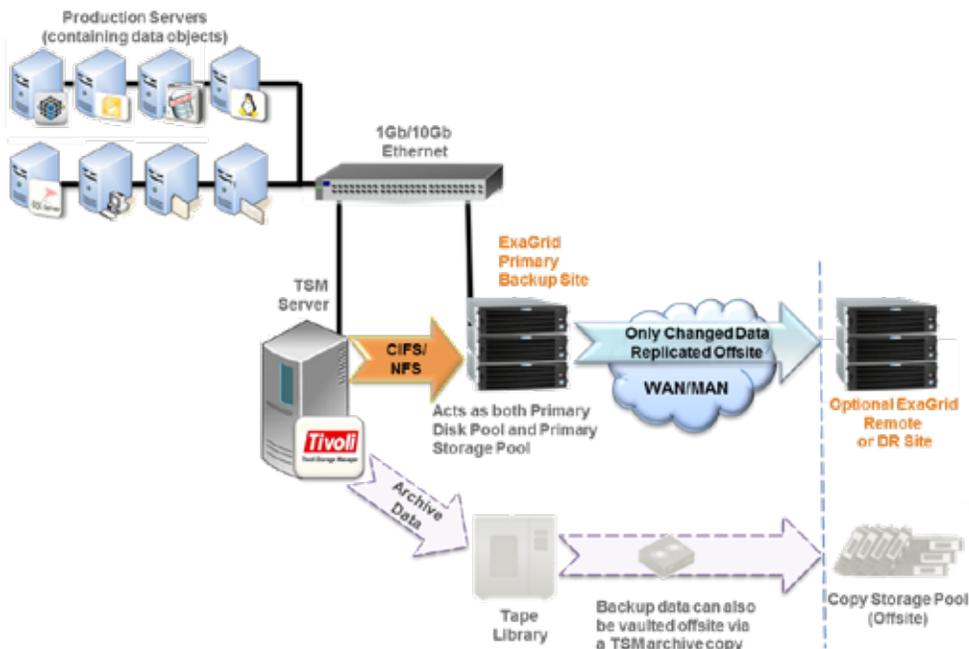
You can also use ExaGrid's replication capability to maintain an offsite copy of your backups and further reduce the need for tape in your environment. If periodic tape backups are still needed, however, tape backups to the copy storage pool can be performed via a TSM archive copy, which directs the TSM server to perform a backup directly to a copy storage pool.

About IBM TSM Backup and Recovery



IBM Tivoli Storage Manager's backup and recovery solution is a centralized,

comprehensive solution that employs smart data movement and smart data store technology that makes backups and restores as fast, flexible and low-impact as possible. The IBM Tivoli suite of storage products supports more than a dozen OS platforms, a variety of network connectors and more than 500 storage devices.



United States: 2000 West Park Drive | Westborough, MA 01581 | (800) 868-6985

United Kingdom: 200 Brook Drive | Green Park, Reading, Berkshire RG2 6UB | +44 (0) 1189 497 051

Singapore: 1 Raffles Place, #20-61 | One Raffles Place Tower 2 | 048616 | +65 6285 0302



www.exagrid.com