

ExaGrid and the Symantec OpenStorage API for NetBackup™



Storage Magazine Product of the Year Award: Gold Medal Winner

"ExaGrid remains one of the few vendors thinking about how a system grows with the customer. Kudos on taking it to the next level."



InfoWorld 100 Award Winner

"Being recognized for one of the most innovative IT projects of the year by InfoWorld is a great honor for GreenBank, we are very proud to have received this for our use of ExaGrid's disk-based backup technology."



Best Deployment Scenario Winner - Data Recovery

"ExaGrid's disk-based backup solution saves Gardner Trucking an estimated \$200K 24-hours after installation."

Gartner

ExaGrid Named a Gartner "Cool Vendor" in Data Protection

"Companies named 'Gartner Cool Vendors' are Innovative, Impactful, and Intriguing."

ExaGrid's integration with NetBackup using Symantec's OpenStorage API simplifies and speeds up backup and recovery

Symantec NetBackup customers can take advantage of ExaGrid's support of the Symantec OpenStorage API. This integration offers customers a faster, more powerful, and more easily managed solution.

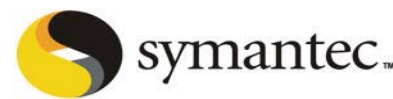
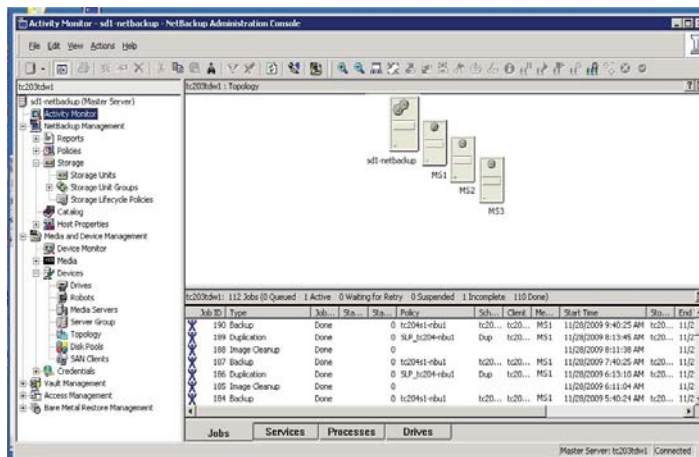
ExaGrid's support of the Symantec OpenStorage API provides seamless integration between NetBackup and the ExaGrid disk-based backup system, including:

- Unified control and access of backup data stored on both local and remote ExaGrid systems, via the ability to track replication of backup data to an off-site ExaGrid system from within NetBackup
- ExaGrid integration with NetBackup Storage Lifecycle Policies, allowing NetBackup to manage the duplication of backup copies between local and remote ExaGrid systems, and to tape
- Improved ability to monitor replicated backup status from within NetBackup via integrated NetBackup reporting
- Simplified disaster recovery via the ability to recover replicated backup data from an off-site ExaGrid system from within the NetBackup console
- Shorter backup windows via OpenStorage data transfer optimization, along with the combination of NetBackup media server load balancing and ExaGrid link balancing

Unified Control and Access of Backup Data

ExaGrid's support of NetBackup OpenStorage devices allows both onsite and offsite backup data, stored on ExaGrid, to be managed from within the NetBackup console. This makes it easier for users to monitor the status of their onsite and offsite backups, through NetBackup reporting, and also facilitates disaster recovery as backup data from the off-site ExaGrid system can be recovered directly from within the NetBackup console.

In the figure below, both Backup (local) and Duplication (remote) jobs can be scheduled and monitored from the NetBackup console. Backup job activity can also be viewed within NetBackup's powerful standard and custom reports.



ExaGrid® Cost-Effective Disk-based Backup™

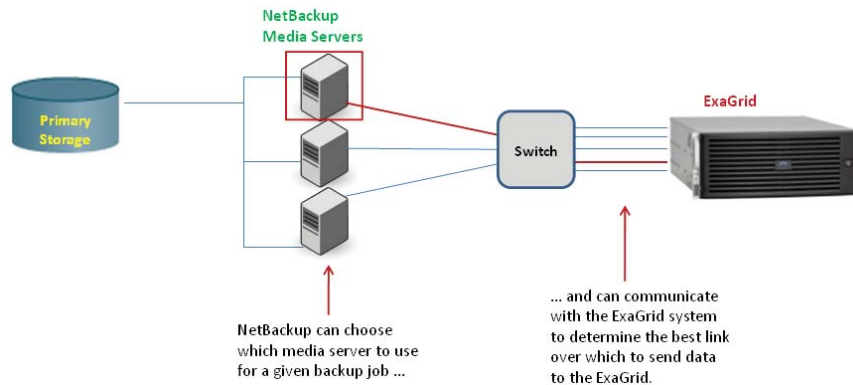
Optimized Duplication and Integration with NetBackup Storage Lifecycle Policies



ExaGrid's support for OpenStorage optimized duplication, and integration with NetBackup Storage Lifecycle Policies (SLP) can be seen above. In this ExaGrid hub-spoke configuration, the following activities take place:

1. Primary data at the remote (spoke) site is backed up on the remote site ExaGrid system. The ExaGrid system deduplicates the backup data, greatly reducing the amount of disk space needed to store the backup data.
2. The backup image is then replicated from the ExaGrid spoke to the ExaGrid hub, managed via optimized duplication through NetBackup's Storage Lifecycle Policies and/or manual duplication jobs. Only the bytes that have changed since the last backup are copied to the hub, taking advantage of ExaGrid's 50:1 WAN efficiency. The catalog on the NetBackup Master Server (not pictured) is also updated, so that the two backup instances can be managed and reported on via NetBackup, and can be restored from either location.
3. A tape copy can then be created at the hub site, initiated by a NetBackup Storage Lifecycle Policy once optimized duplication is completed.

Shorter Backup Windows via NetBackup Media Server Load Balancing combined with ExaGrid Link Balancing



About ExaGrid

ExaGrid is the leader in cost-effective disk-based backup solutions. A scalable system that works with existing backup applications, ExaGrid is ideal for companies looking to quickly eliminate the hassles of tape backup while reducing their existing backup windows. 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 deduplication technology for all previous backups. Customers can deploy ExaGrid at a primary site and at a second site to supplement or eliminate offsite tapes with a live data repository or for disaster recovery.

About Symantec

Symantec is a global leader in providing security, storage and systems management solutions to help businesses and consumers secure and manager their information. Headquartered in Cupertino, Calif., Symantec has operations in more than 40 countries. More information is available at www.symantec.com.