Indium Pairs ExaGrid with Veeam Backup & Replication™ for Maximum Data Protection

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> **Gary Usyk**
> **Network Administrator**

Key Benefits:

- Considerable backup window reduction
- Restores that used to take days now take just minutes
- Simple architecture fits easily into existing infrastructure
- Support for future virtualized environment

Customer Overview

Indium Corporation is a premier materials supplier to the global electronics, semiconductor, solar, thin film and thermal management markets. Products include solders, performs and fluxes; sputter targets; indium, gallium and germanium chemicals and sourcing; and Reactive NanoFoil. Founded in 1934, Indium has global technical support and factories in China, Singapore, South Korea, the United Kingdom and the United States.

Veeam: Product of Choice for Virtualization

During Indium's early virtualization effort, the company was backing up its virtual machines (VMs) as if they were physical machines, but they knew there was a better way, so they began to investigate alternatives.

According to Gary Usyk, network administrator at Indium, "We looked at several alternatives, and Veeam was definitely the best product. It was easy to use and did the job. Being able to easily grab a single file out of a backup, the ability to spin up a backup VM—those types of things are definite benefits. I've restored full VMs back into the production environment very seamlessly."

NAS Insufficient to Handle Growing Storage Needs

Indium had been backing up to tape and then switched to NAS as the storage target, but as storage space dwindled and retention continued to become more and more of an issue, they decided to evaluate other disk-based backup solutions.

"We were running low on storage space while still trying to meet our retention requirements," said Usyk. "I was looking for a disk-based backup solution that I didn't have to worry about—a set-it-and-forget-it type of system. Our partner recommended ExaGrid, and we felt that it was a good fit." Having recognized the need for virtualization-specific backup, Indium implemented a "best of breed" approach, with Veeam Backup & Replication for their virtual machines and Symantec Backup Exec for their physical machines. The ExaGrid system works seamlessly with both. Using ExaGrid and Veeam Backup & Replication, Usyk has been able to reduce backup time from ten hours down to just a couple of hours.

ExaGrid's Deduplication and Scalability Seal the Deal

According to Usyk, deduplication was important in their consideration of ExaGrid. "We wanted to consolidate the amount of data we were storing to increase our retention, and because we try to do things as simply as possible, we thought it was a great feature that we could easily expand the system just by adding another unit." Usyk reports that his average deduplication ratio is 7.8:1, and his SQL data deduplicates at 11.8:1.

ExaGrid combines last backup compression along with data deduplication, which stores changes from backup to backup instead of storing full file copies. This unique approach reduces the disk space required by a range of 10:1 to 50:1 or more, delivering unparalleled cost savings and performance. ExaGrid delivers extremely fast backup performance because data is written directly to disk, and data deduplication is performed post-process after the data is stored to reduce data. When a second site is used, the cost savings are even greater because ExaGrid's zone-level data deduplication technology moves only changes, requiring minimal WAN bandwidth.

EXAGRID™

ExaGrid's GRID computing software makes the system highly scalable, and when plugged into a switch, different sized configurations can be mixed and matched into a single GRID system with capacities of up to a 130TB full backup plus retention. Once virtualized, they appear as a single system to the backup server, and load balancing of all data across servers is automatic.

Simple Installation, Exemplary Customer Support

According to Usyk, installing the ExaGrid system was "a piece of cake," and his ongoing experience with ExaGrid's customer support team has been "fantastic."

The ExaGrid system was designed to be easy to set up and maintain, and ExaGrid's industry-leading customer support team is staffed by trained, in-house engineers who are dedicated to individual accounts. The system is fully supported and was designed and manufactured for maximum uptime with redundant, hot-swappable components.

Intelligent Data Protection

ExaGrid's turnkey disk-based backup system combines high-quality SATA drives with zone-level data deduplication, delivering a disk-based solution that is more cost effective than standard SATA drives.

The ExaGrid system is easy to install and use and works seamlessly with popular backup applications, so organizations can retain their investment in existing applications and processes. ExaGrid servers can be used at primary and secondary sites to supplement or eliminate offsite tapes with live data repositories for disaster recovery.

About Veeam Software

Veeam® Software develops innovative solutions for VMware backup, Hyper-V backup, and virtualization management. Veeam Backup & Replication™ is the #1 VM backup solution. Veeam ONE™ is a single solution for real-time monitoring, resource optimization and management reporting for VMware and Hyper-V. The Veeam Management Pack™ (MP) and Smart Plug-in™ (SPI) extend enterprise monitoring to VMware through Microsoft System Center and HP Operations Manager. Veeam also provides free virtualization tools.

Learn more by visiting http://www.veeam.com/.

About Symantec Backup Exec

Symantec Backup Exec provides cost-effective, high-performance, and certified disk-to-disk-to-tape backup and recovery – including continuous data protection for Microsoft Exchange, SQL, file servers, and workstations. High-performance agents and options provide fast, flexible, granular protection and scalable management of local and remote server backups.

Learn more by visiting http://www.symantec.com/.

For more information about ExaGrid, please visit us at www.exagrid.com or call us at 1-800-868-6985.

About ExaGrid Systems, Inc.

Customers worldwide depend on ExaGrid Systems to solve their backup problems–effectively and permanently. ExaGrid's disk-based, scale-out GRID architecture adjusts to increasing backup demands due to constantly growing data volumes. It is the only solution that combines compute with capacity as well as a unique landing zone to permanently shorten backup windows and eliminate expensive forklift upgrades. Learn more at **www.exagrid.com**.