EXAGRID®

LeMaitre Vascular Virtualizes Environment, Upgrades Storage Solution to ExaGrid

LeMaitre®

USA

Key Benefits:

- Backup windows reduced by 50%

- Restores take minutes, lengthy catalog process is eliminated

- System is easy to scale, ExaGrid support assists with configuration

- System works with both Veritas Backup Exec and Veeam across physical and virtual servers

"Our ExaGrid support engineer is awesome; he's very helpful and resourceful when needed. While I was on vacation, he looked at the system and noticed that there were potential failing hard drives on one of our appliances. He proactively arranged for a replacement and everything was fine."

Lee Ung
Senior Systems Administrator

Customer Overview

LeMaitre Vascular, headquartered in Burlington, Massachusetts, is a provider of devices, implants and services for the treatment of peripheral vascular disease, a condition that affects more than 200 million people worldwide. The Company develops, manufactures and markets disposable and implantable vascular devices to address the needs of its core customer, the vascular surgeon. The Company's diversified product portfolio consists of brand name devices used in arteries and veins outside of the heart. The company is listed on NASDAQ.
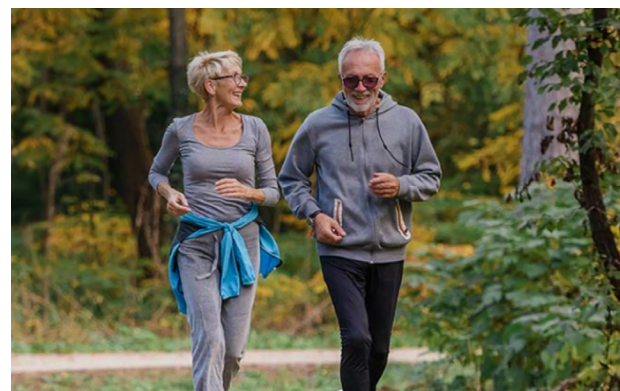
Upgrading Backup with a New Solution

LeMaitre Vascular had been backing up to external USB hard drives with Veritas Backup Exec and decided to upgrade by virtualizing its environment. Lee Ung, the senior systems administrator, began looking at new storage solutions, including Dell EMC Data Domain, which he had used while working at a previous company.

LeMaitre Vascular decided on a bundle that included ExaGrid, keeping Veritas Backup Exec for physical servers and adding Veeam for its virtual servers. Lee is glad that the ExaGrid system works in a heterogeneous environment. "ExaGrid works well with both Backup Exec and Veeam. Now, when we do backups and restores it's a lot faster as well as more convenient," said Lee. "It is definitely a big time saver because you don't have to worry about plugging and unplugging external hard drives, which would often take an hour or two, while the backup software indexes the backups on the external hard drives. This system stays online all the time and you can change your restore point."

Backup Windows 50% Shorter with Adaptive Deduplication

LeMaitre Vascular stores a large quantity and variety of data, such as OS and SQL data, as well as images, movies, and documents. Lee runs daily and weekly fulls, and daily incrementals. He noted, "We're almost at 130TB but what's actually consumed on the ExaGrid is roughly 11TB. We're getting a deduplication ratio of nearly 13:1. We didn't have a deduplication option before."

Before installing ExaGrid, backup windows were less reliable or even missed. Lee ran weekly fulls that sometimes finished over the weekend but could take up to an entire week to complete when there were issues, disrupting other backup jobs. Now, weekly fulls take 15 hours to complete and don't leak into production hours.

ExaGrid writes backups directly to a disk-cache Landing Zone, avoiding inline processing and ensuring the highest possible backup performance, which results in the shortest backup window. Adaptive Deduplication performs deduplication and replication in parallel with backups for a strong recovery point (RPO). As data is being deduplicated to the repository, it can also be replicated to a second ExaGrid site or the public cloud for disaster recovery (DR).

Higher Retention Allows for More Restores

When Lee had been managing the previous system, restores were difficult, if not impossible in some circumstances. "At that time, we recycled the hard drives every week. Any data older than a week was going to be lost," Lee noted. "We didn't do restores often, maybe once or twice a month, and then we had to find the drive, which was in a different building, then get back to the office and make sure that the correct data was there. We had to constantly catalog every single drive to make sure that we could find the data. It would take a couple of hours each time."

Now that LeMaitre Vascular uses ExaGrid, they are able to keep a 90-day retention, so data can be recovered from a longer timeframe. "Now, restores are really quick. The data is all in there and already cataloged, and we don't need to mount the hardware," said Lee.

Support to Scale Out

Lee has found that scaling out the ExaGrid system to accommodate more storage is simple. "We just popped in the second appliance and our assigned support engineer handled the configuration for us. Then, I migrated the data."

ExaGrid's award-winning scale-out architecture provides customers with a fixed-length backup window regardless of data growth. Its unique disk-cache Landing Zone allows for the fastest backups and retains the most recent backup in its full undeduplicated form, enabling the fastest restores.

ExaGrid's appliance models can be mixed and matched into a single scale-out system allowing a full backup of up to 2.7PB with a combined ingest rate of 488TB/hr, in a single system. The appliances automatically join the scale-out system. Each appliance includes the appropriate amount of processor, memory, disk, and bandwidth for the data size. By adding compute with capacity, the backup window remains fixed in length as the data grows. Automatic load balancing across all repositories allows for full utilization of all appliances. Data is deduplicated into an offline repository, and additionally, data is globally deduplicated across all repositories.

This combination of capabilities in a turnkey appliance makes the ExaGrid system easy to install, manage, and scale. ExaGrid's architecture provides lifetime value and investment protection that no other architecture can match.

"Our ExaGrid support engineer is awesome; he's very helpful and resourceful when needed. While I was on vacation, he looked at the system and noticed that there were potential failing hard drives on one of our appliances. He proactively arranged for a replacement and everything was fine," said Lee. 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 assigned to individual accounts. The system is fully supported and was designed and manufactured for maximum uptime with redundant, hot-swappable components.

ExaGrid and Veeam

Veeam's backup solutions and ExaGrid's Tiered Backup Storage combine for the industry's fastest backups, fastest restores, a scale-out storage system as data grows, and a strong ransomware recovery story – all at the lowest cost.

"Our backup windows used to be longer when writing over CIFS shares, now using the ExaGrid-Veeam Accelerated Data Mover, our backups are faster. Each job takes about 50% less time because there is less chatter with this protocol versus ethernet," noted Lee.

ExaGrid and Veritas Backup Exec

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

Organizations using Veritas Backup Exec can look to ExaGrid Tiered Backup Storage for nightly backups. ExaGrid sits behind existing backup applications, such as Veritas Backup Exec, providing faster and more reliable backups and restores. In a network running Veritas Backup Exec, using ExaGrid is as easy as pointing existing backup jobs at a NAS share on the ExaGrid system. Backup jobs are sent directly from the backup application to ExaGrid for backup to disk.

About ExaGrid

ExaGrid provides Tiered Backup Storage with a unique disk-cache Landing Zone that enables fastest backups and restores, a Repository Tier that offers the lowest cost for long-term retention and enables ransomware recovery, and scale-out architecture which includes full appliances with up to 2.7PB full backup in a single system.

Learn more at **www.exagrid.com**.