

## Celestica-Valencia Cuts Backup Times in Half, Increases Retention with ExaGrid

### Customer Overview

Celestica is a world leader in the delivery of innovative electronics manufacturing services (EMS). Celestica operates a highly sophisticated global manufacturing network with operations in Asia, Europe and the Americas, providing a broad range of integrated services and solutions to leading OEMs (original equipment manufacturers). Celestica's expertise in quality, technology and supply chain management, and leadership in the global deployment of Lean principles, enables the company to provide competitive advantage to its customers by improving time-to-market, scalability and manufacturing efficiency. Celestica is based in Toronto, Canada.

### Long Backup Times, Limited Retention

Luis Alabau is responsible for infrastructure support at Celestica's manufacturing facility in Valencia, Spain. Alabau had been backing up the Valencia facility's data using a combination of disk and tape but found that long backup times and limited retention made keeping up with daily backups and restores difficult.

"We decided to look for a new backup solution that could alleviate our long backup times and increase the amount of data we kept onsite," said Alabau. "We were already backing up our file data to disk each night and we liked the ease of it but we needed deduplication to maximize disk space. We also wanted to reduce our reliance on tape."

### Cost-effective ExaGrid System Leverages Existing Backup Application

After looking at solutions from several competitors, Alabau chose a disk-based backup system with data deduplication from ExaGrid. The ExaGrid system works along with Celestica-Valencia existing backup application, Symantec's Backup Exec.

"The ExaGrid system was 25 percent less than the other solutions we looked at and we liked the fact that we could retain our investment in Backup Exec. And because the system works so well with Backup Exec, our learning curve was minimized," said Alabau. "We were also impressed with ExaGrid's built-in data deduplication technology. It enables us to best utilize our disk space so that we can maximize the amount of data we have on-hand."

### Data Deduplication Maximizes Disk Space, Backup Times Cut in Half

ExaGrid's data deduplication technology reduces the amount of data stored on the system and helps to increase retention.

"ExaGrid's data deduplication technology does a fantastic job at reducing our data. Since installing the system, we have been able to increase our retention from 5 weeks to 26 weeks. Restoring data is now a much faster process because we don't have to retrieve tapes from our offsite storage facility. All of our information is right there on the ExaGrid if and when we need it," said Alabau.

Alabau also said that the company has been able to significantly reduce backup times since installing the ExaGrid system. Weekly full backups from disk to tape used to take approximately 30 hours but now take only 15 hours with the ExaGrid system.

ExaGrid's post-process data deduplication processes data after it has landed on the system, ensuring the fastest backup times possible. 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.

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Luis Alabau  
Server Admin. &  
Infostructure Support  
Celestica - Valencia



## Flexibility to Add a Second Site to Improve Disaster Recovery, Easy Scalability Increases Capacity to Accommodate More Data

Alabau noted that in the future, Celestica-Valencia may consider adding a second site to improve the company's ability to recover from a disaster.

"One of the nice things about the ExaGrid system is that we can add a second system in the future to replicate data and improve our disaster recovery efforts," said Alabau. "The system can also be easily scaled to handle more data. Overall, it's a very flexible system."

As the company's data grows, the ExaGrid system can easily scale to handle additional data. 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 60TB 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.

## Intuitive Interface, Superior Customer Support

ExaGrid comes packaged as a turnkey appliance and was designed to be easy to deploy and manage and to deliver maximum uptime with redundant, hot-swappable components. All components are fully supported by ExaGrid's trained, in-house engineers dedicated to individual accounts.

"We were able to install the system very quickly and we had everything up and running in less than a day. The ExaGrid system is easy to manage and administer and we've been very impressed with customer support. Our support engineer has been a wonderful resource," said Alabau. "All in all, we've reduced our backup times by 50 percent and increased

retention with the ExaGrid. It's also made our backup processes easier." We're very satisfied with the system."

## ExaGrid and 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.

Organizations using Symantec Backup Exec can look to ExaGrid as an alternative to tape for nightly backups. ExaGrid sits behind existing backup applications, such as Symantec Backup Exec, providing faster and more reliable backups and restores. In a network running Symantec Backup Exec, using ExaGrid in place of a tape backup system 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 the ExaGrid for onsite backup to disk.

## Intelligent Data Protection

ExaGrid's turnkey disk-based backup system combines high quality SATA drives with byte-level data deduplication, delivering a disk-based solution that is more cost effective than standard SATA drives. ExaGrid's byte-level data deduplication technology stores only the changes from backup to backup instead of storing full file copies, reducing the amount of disk needed by a range of 10:1 to 50:1 or more, resulting in a solution that is 25 to 30% the cost of 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. For more information about ExaGrid, please visit our website [www.ExaGrid.com](http://www.ExaGrid.com) or call us at 1-800-868-6985.

### ABOUT EXAGRID

ExaGrid is the leader in cost-effective disk-based backup solutions. A highly scalable system that works with existing backup applications, the ExaGrid system 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 primary and secondary sites to supplement or eliminate offsite tapes with live data repositories or for disaster recovery.

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