



the data storage company

Data Sheets : **White Papers** : Case Studies



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Damon Robertson
Coolspirit Ltd

Our address

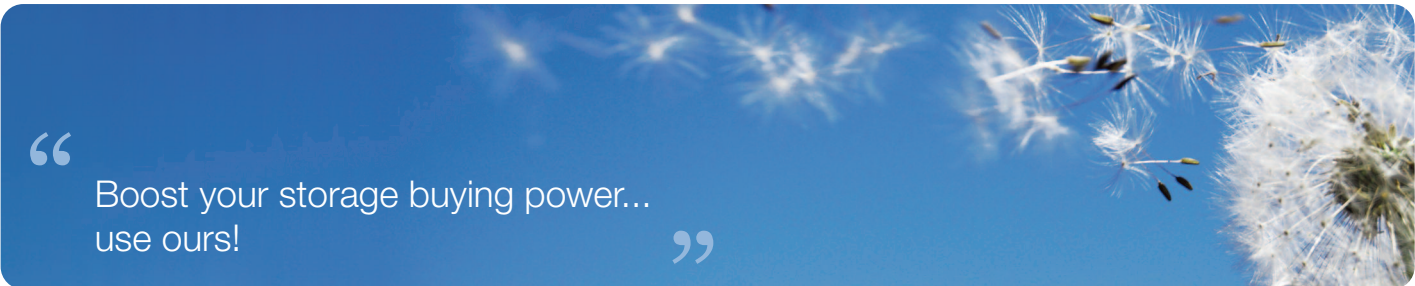
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How to Improve Backup and Archive Data Availability with NEO® 8000e

Why do you need it?

One of your company's most valuable assets is its data. Many companies think they are immune to "disaster"... but consider some of the different elements that put your data at risk every day:

- Weather (hurricanes, tornadoes, earthquakes, etc.)
- Sabotage/Theft (disgruntled employees, etc.)
- Viruses
- Fire and floods (nature-induced, plumbing issues, electrical issues, etc.)
- Operator error or System errors

On any given day, all company data faces numerous risks that make having a disaster recovery solution a **MUST** in order to ensure availability of your data.

How we help...

NEO 8000e is the premier member of Overland's line of automated tape libraries that ensure your data is readily available and always there, leaving you with a disaster recovery solution that provides superior data availability.

- ✓ An entire family of backup and archive solutions designed to ensure that your data is reliably protected.
- ✓ Varying levels of storage capacity to ensure that all of your important data is backed up
- ✓ High-performance data transfer capability to ensure is data is backed up quickly and can be restored at a moment's notice
- ✓ Features that eliminate potential single points of failure and improve overall data availability
- ✓ Robust reliability reputation that is second to none

According to International Data Corporation, by 2011 users will have generated approximately 1800 exabytes of digital data, 10x that produced in 2006. The more data we generate, the more data we need to store. Every company across the globe has become vitally dependent on that data. According to a study conducted by the Ponemon Institute, the average cost of not being able to access a particular piece of data is \$202/record, and the average cost of unavailable data is approximately \$6.5m per incident. Combine this with the daunting compliance and data security requirements faced by almost every company across the globe, and the data availability challenge grows. There are stories too numerous to count about companies that thought they had a disaster recovery solution, only to find out that their disk-based or tape-based solution wasn't up to the task at hand and their data availability was non-existent.

Overland Storage – the Expert in Automated Tape Backup, Recovery, Archive and Disaster Recovery

Just because you have a tape library doesn't mean you have a backup, archive and disaster recovery solution that will ensure data availability. Unlike other tape libraries, the NEO 8000e focuses on several key elements to provide the best in data availability:

High-performance Robotics

NEO 8000e provides high-performance robotics capability that ensures cartridges are quickly and reliably moved from drives to cartridge slots and visa versa. With an average move time from cartridge to cartridge of less than 20 seconds, NEO 8000e ensures high-speed availability to your data. But it's not just about how fast your library can get to your data it's also about reliability.

Superior Reliability

NEO 8000e is known for its robust, reliable data access. With a reliability specification that is more than double of its competitors, NEO 8000e provides superior data availability. It's a commonly known fact that the more parts something has, the higher the possibility for something to go wrong. That's why NEO 8000e eliminates the need for additional

interface modules, management modules, capacity modules, power modules, display modules, partitioning modules, etc. The advantage of NEO 8000e is that it provides you with the interface, management, capacity, power, display and partitioning capabilities without requiring you to install additional error-prone hardware.

Swappable Tape Drives

NEO 8000e makes it quick and easy to replace tape drive technologies used in the library. Drives can be swapped out without interfering with library operations and network connectivity, improving data availability when adding, removing, replacing or upgrading tape drives.

Redundancy

Enterprise environments have zero tolerance for downtime. So does NEO 8000e. Redundant power options provide backup power in the event of a primary power failure. Data-intensive customers require the ability to scale their libraries to add capacity and performance to accommodate their changing storage environments. However, most other tape libraries have a single robot in a scaled environment. While this initially might sound like a good idea, if that robot fails you lose access to your ENTIRE stack of data ... making your data availability 0%! Not with NEO 8000e. It provides redundant robotics so that even if there is an issue with your primary robot you can failover to the secondary robot and continue with library operations.

Intelligent Remote Management

NEO 8000e not only provides the convenience of being able to manage your backup/archive/disaster recovery operation from anywhere in the world but it also provides diagnosis capabilities that ensure your data availability. Features such as “phone home” email alerts provide you with preventative diagnosis information at a moment’s notice... no matter where in the world you might be.

Widespread Connectivity

If there’s one thing that’s certain, it’s that enterprise data centers are diverse, complex environments managing, storing and protecting data on a host of different applications. NEO 8000e provides the ability to ensure your data is available, no matter where it comes from. Supporting native SCSI, SAS and FC interfaces means that your data can be effortlessly protected no matter what the host interface. Features such as embedded partitioning allow you to configure your NEO 8000e library into several smaller “virtual” libraries suited for specific backup and archive applications. No matter where your data resides, NEO 8000e provides the effortless connectivity needed to ensure that data is readily available.

Over the years there have been numerous debates over what might be the best disaster recovery solution to ensure that your data is readily available. With Overland Storage, there’s no debate – NEO 8000e provides the most dependable solution for backing up and archiving large amounts of data in today’s data intensive enterprise data centers.

