OVERLAND TANDBERG

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Data Protection for Virtual Environments with NEO Series Tape Automation and Veeam

Simplify data backup, restore and archiving.
Manage data growth and reduce storage costs.

Businesses are utilizing virtualization software to reduce costs and improve the performance and efficiency of IT systems. Unfortunately, within a virtualized environment the risk of data loss is increased, due to increased utilization of storage devices. Many businesses simply perform disk-to-disk backups and have no off-site data protection, leaving the business vulnerable to data loss from fire, flood, virus attack or data theft.

Managing data growth within virtual environments is another major headache for IT administrators. Greater than 95% of data is never access 6 months from creation, businesses can effectively manage data growth and reduce storage costs by archiving a small percentage of this data each month.

The NEO Series tape automation family allows virtualized environments to be easily backed up and data transported off-site for complete data protection. Through our technology partnership Tandberg Data and Veeam have combined best in class tape automation and backup software to provide businesses with the best value and all-encompassing data protection solution for virtual environments.

NEO Tape Automation Products

Utilizing industry-leading LTO tape technology, the NEO Series tape automation family combines high-capacity storage with high-performance for increased backup, restore and archive efficiency. High quality innovative products combined with more than 40 years of experience providing data protection solutions across a broad range of industries.

Veeam Backup & Replication

Veeam Backup & Replication offers high performance, scalable and reliable data protection for VMware vSphere® and Microsoft® Hyper-V environments. The software works seamlessly disk, tape and cloud technologies to create a heterogeneous data protection solution.

Solution Benefits

- Complete Data Protection; fire, flood, hardware failure, virus, human error
- Simplify backup, restore and archiving tasks
- Effectively manage data growth
- Reduce unplanned downtime
- Avoid expensive migration
- Reduce power and cooling costs

NEO Series Benefits

- 40 year heritage in data protection
- Latest LTO-8 tape technology
- High performance
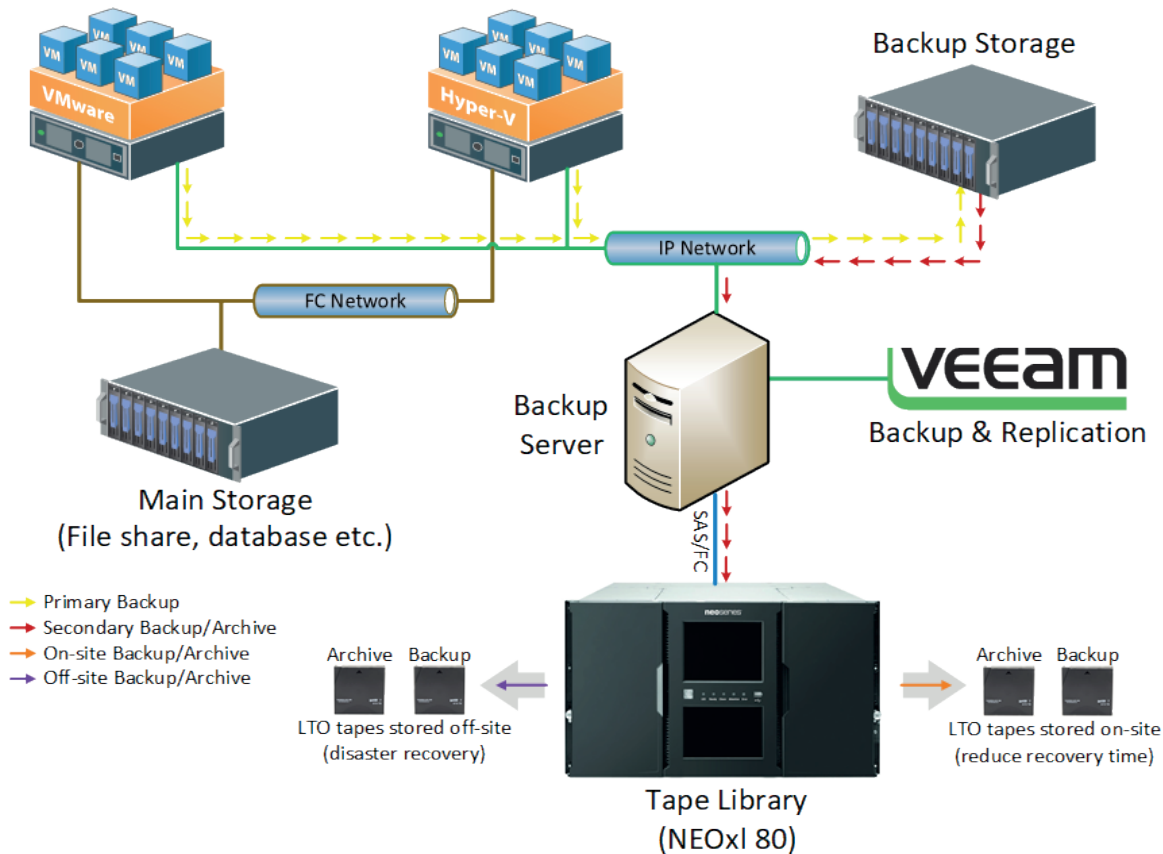- Scalable capacities
- Enterprise features

LTO Tape Benefits

- Best medium for long term data storage and protection
- Trusted: 30 year archival life
- Capacity: up to 30TB
- Performance: up to 300MB/sec.
- Security: AES 256-bit encryption
- Future-proof: 12-gen roadmap

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Solution Overview

Within a virtualized environment data can change rapidly and needs to be backed up frequently, the disk storage required to store these backups can grow very quickly. This may impact the performance of the virtual environment and accelerate the need to purchase more storage. To avoid this situation occurring, a disk-to-disk-to-tape backup process should be adopted. The data to be protected is first backed up to disk (primary backup) and then the newly created backup files are backed up to tape (secondary backup). Additional backup copies may also be performed for off-site data storage or compliance requirements.

A similar process is to archive obsolete data and free up storage space within the virtual environment. An archive folder is created within the virtual environment, obsolete data is moved to the folder, the folder is backed up first to disk and then to tape and the subsequent folders on disk are then deleted. When archiving data to tape we would recommend that two copies are created, one is stored off-site for disaster recovery and one is stored on-site to reduce the recovery time in the event that files need to be restored.

LTO tape provides storage capacities up to 30TB (LTO-8 compressed) on a single data cartridge and is the best and most affordable solution to securely store large volumes of data offsite.

Additional Resources

For more information on how to integrate NEO tape libraries into Veeam Backup & Replication visit our solution page on the Tandberg Data website and download the integration brief.

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