Integrating Tape Automation

For Veeam Backup & Replication

IMPLEMENTING A COMPREHENSIVE DISASTER RECOVER SOLUTION
Greater than 60% of servers sold today are installed into virtualised environments. Virtualisation enables a single physical server to run multiple operating systems and applications at the same time, making your infrastructure faster and more efficient, whilst reducing operation costs. Within a virtualised environment the role of backup and disaster recovery is extremely important and should not be overlooked. On average an organisation will run 6 virtual machines on a single physical server, this significantly increases the utilisation of the server and the disk systems and increases the risk of software or hardware failure.

Tandberg Data and Veeam Software share a technology partnership providing a turnkey solution for backup in virtual environments based on Tandberg Data’s disk and tape products and Veeam Backup & Replication.

TANDBERG DATA TAPE PRODUCTS
Tandberg Data offers the broadest range of tape solutions for Veeam users to implement a highly secure and efficient data protection solution. Tape provides the last line of defence in data protect in case of fire, flood, theft etc. But most importantly tape storage is typically 15x cheaper than disk, offers a 30 year archival life and it’s the ideal solution store large volumes of data onsite and offsite for compliance and disaster recover. Tandberg Data offer:

LTO Tape Drives: LTO-3, 4, 5 or 6
StorageLoader LTO: Entry-level tape autoloader, 8 slots, up to 50TB*
StorageLibrary T24: Compact tape library, 12/24 slots, up to 150TB*
StorageLibrary T40+: Scalable tape library, 24-188 slots up to 1.2PB*

Tandberg Data tape automation products are designed and built on our 30-year heritage in tape and offers best-in-class performance, reliability, value and industry leading service and support.

VEEAM BACKUP & REPLICATION
Veeam is the No.1 backup and data protection software for VMWARE® AND HYPER-V® environments. Veeam Backup & Replication provides fast, flexible, and reliable recovery of virtualized applications and data. It unifies backup and replication in a single solution, increases the value of backup and reinvents data protection for VMware vSphere and Microsoft Hyper-V virtual environments. Veeam Backup & Replication supports your entire virtual infrastructure with industry leading features such as instant file-level recovery and streamlined VM recovery, scalability, 2-in-1 backup & replication, built-in de-duplication, centralized management and many more.

*based on LTO-6 compressed capacity
THE 3-2-1 DATA PROTECTION RULE
The most common backup-strategy is the 3-2-1 rule, which offers the most effective disaster recovery solution:

- Keep at least THREE copies
- in TWO different formats
- with at least ONE copy off-site

A backup to a single target is no guarantee for full data protection. A disk failure can also affect the backup to disk partition. A secondary backup on tape should be issued to have a copy on a different media. To be fully protected against any occurrences in the datacentre, at least one copy on tape should be stored off-site as the last line of defence.

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 and create a big data storage problem.

LTO tape provides storage capacities up to 6.25TB* on a single data cartridge and is the best and most affordable solution to securely store large volumes of data offsite.

SETUP VEEAM BACKUP & REPLICATION
The setup and installation of the Tandberg Data tape products and Veeam Backup and Replication software is easy, simply connect the tape products and install the software. Veeam Backup & Replication v7 will automatically detect the tape products, the user will need to download and install the device drivers from the Tandberg Data web-site.

The Backup & Replication section of the software is used to create and configure the backup jobs (virtual machines, files, times & destination). Veeam is not able to backup data within the virtual environment directly to tape. The user must create two backup jobs, the first job backups the selected data to disk and the second job is used to write the previous backup job from disk to tape. The user can select the data retention period for both backup jobs separately (e.g. disk: 7days & tape: 10years).

Furthermore, the user can also backup the whole backup repository to tape. So there is just one backup to tape job needed for all entire primary backup to disk jobs.

For detailed setup-information, please refer to the Integration Brief on the Tandberg Data website.

TANDBERG DATA AND VEEAM SOFTWARE
Tandberg Data is a Veeam Technology Alliance Partner. Both companies work closely together. All Tandberg Data products have been tested and verified fully compatible with Veeam Backup & Replication V7.

ADDITIONAL RESOURCES
Learn more about Tandberg Data's solutions online: tandbergdata.com
Follow Tandberg Data on Twitter: twitter.com/tandbergdata
Join the Tandberg Data conversation on Facebook: facebook.com/tandbergdata

About Tandberg Data
Tandberg Data is a leading global supplier of data protection solutions for small and medium-sized businesses. The company's wide range of cost-effective storage products and services provides customers with best-in-class tape, disk, removable disk and software solutions for backup, archiving and disaster recovery. These solutions are marketed through a global channel of qualified resellers, distributors and major server OEMs. An extensive service and support network supports all Tandberg Data products worldwide.