DISK TO DISK ONLINE V/S TAPE BACKUP

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Whitepaper

THE NEW-AGE METHODOLOGY FOR BACKUPS ARE FREE OF HEADACHES FOR THE IT DEPARTMENT AND COST EFFECTIVE IN MANAGEMENT THROUGH LOWERING COST OF RESOURCES.

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Trusted • Secure • Reliable

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Disk to Disk Online v/s Tape Backup

DISK-TO-DISK (D2D) ONLINE BACKUP IS MORE RELIABLE, FASTER, AND MORE SECURE THAN TAPE FOR BACKUPS, STORAGE, AND RECOVERY.

DISK-TO-DISK ONLINE BACKUP IS MORE RELIABLE.

AUTOMATIC PROCESS - Disk-to-disk online backup is an automatic process. You set it and forget it. No one has to remember to move tapes offsite. It happens automatically.

RELIABLE MEDIUM - Disks are a more reliable medium than tape. The shelf-life of disks is far longer than tape and the data on disks remains readable and recoverable through technology upgrades.

INTEGRITY CHECKS - DataVault's mass storage vaults perform integrity checks on all incoming data and sends out immediate notification of any anomalies. Unlike tape, online data backup provides the assurance that the backup actually occurred and that the data can be restored when needed.

SELF HEALING - If the mass storage vault detects a file that will not be recoverable, it automatically attempts to fix it. If it cannot, it sends an email alert. You know of the problem in advance, rather than during a recovery process.

N+1 GRID COMPUTING - If a vault server needs maintenance or incurs a failure, other servers can absorb the load and continue high service availability.

AUTOMATIC UPGRADES - When DataVault upgrades its storage vaults, it simultaneously pushes the upgrades to your system. Your systems are always up-to-date.

DISK-TO-DISK ONLINE BACKUP IS FASTER.

COMPRESSION TO SAVE BANDWIDTH - With D2D your data can be compressed to use less bandwidth. Less bandwidth means faster transmission and shorter backup windows. Data that would take hours to backup by tape can be backed up online, encrypted, and stored offsite in minutes.

BLOCK DELTA PROCESSING - Once your data is seeded, DataVault detects the changes within files and databases and transmits these block-level changes rather than the entire file. Block-level changes represent a fraction of native data, so your online backup window is much shorter.

COMMON FILE ELIMINATION (CFE) - CFE eliminates duplicate files, significantly shrinking your online backup window and storage requirements.

DISK-TO-DISK ONLINE BACKUP IS MORE SECURE.

BLOCK TRANSMISSION - Changed data is transmitted in blocks rather than as whole files. Unintelligible blocks offer much less risk as compared to full data sets found on tape.

END-TO-END ENCRYPTION - The data remains encrypted during all backup and restore transfers and while it is in storage. Only you have access to the decryption key to decipher the encrypted data. DataVault does not have any "back door" access.

REPLICATED CONTINUITY VAULT - Backups can be replicated to remote, continuity vaults located in high-security data centers safe distances away in Illinois and New Jersey.

WORLD-CLASS DATA CENTERS - Our data centers maintain access controls to select personnel. They are monitored 24x7 and equipped with redundant power generators, telecommunications backups, climate controls (temperature, humidity, and cooling), and fire-suppression systems. All sensors and alarms are rated for computer room environments.

DISK-TO-DISK ONLINE BACKUP IS SMART.

RELIABLE RECOVERY - Storage Magazine also reports that over 34% of companies do not test their backups and of those that tested, 77% found their tape backups failed to restore. In addition, Brian Babineau, analyst at Enterprise Strategy Group, writes in Storage Magazine, "it costs approximately $2000 to $3000 to restore a backup tape and make it searchable..."

CONTINUOUS DATA PROTECTION (CDP) - Set backup scheduling to "Continuous Data Protection" for files and email and know you can recover back to the most recent save. Avoid risking data losses during the day.

BACKUP LIFECYCLE MANAGER (BLM) - Backup Lifecycle Manager enables policies to automatically migrate older, less critical retentions to second-tier disk which in turns helps drive down monthly storage costs.