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Superior Performance of LTO3, LTO4 and LTO 5 Devices Further Enhances with Dell's™ TL2000 Library [By Miller](#)

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Mountains of data are being constantly created each day by the government agencies and business organizations. As a responsible data administrator, you have to develop a reliable and efficiency strategy to meet the long term security concerns. IT managers are looking for new backup technologies to reduce the operational expenses and the infrastructure complexity. To manage the growing corporate databases in a cost effective manner, no other solution can match the performance, efficiency and scalability of tape library system.

Tape library systems, engineered by the global backup storage expert Dell, provide convenience, value and high-performance solution to a variety of IT centers. Dell has developed a high-class TL-2000 tape library solution for medium & small companies looking for a user-friendly, low cost and intelligent backup system. This versatile library enables seamless connectivity to the storage area networks as well as midrange servers.

Dell TL-2000 library offers compatibility with the LTO (Linear Tape Open) devices, which is the tape industry's™ leading format. You have the flexibility to use LTO5, LTO 4 and LTO 3 devices with TL2000 library. To further enhance data management, Dell has introduced a user-friendly operator panel. It enables seamless setups, fast firmware up-gradation and delivers a clear picture of media status. This facilitates the IT managers to take precautionary measures before problem arises in media or tape drives. Dell TL-2000 library can accommodate mountains of data into a smaller physical space.

TL2000 library delivers an unparalleled 36GB recording capacity, while occupying only 2U rack space. Dell also offers high-quality LTO ultrium tape products that deliver longer archival life, superior durability and fast streaming performance needed to overcome the evolving storage demands. LTO4 cartridge has the ability to squeeze 1600GB data at a blistering 240Mbps compressed speed. D2407-LTO4 (TDK), LTX800G (Sony), 95P4437 (IBM) and 183906 (Maxell) are few of the other top brands of LTO4 ultrium tape that are dominating the midrange market.

The most advantageous feature incorporated in TL2000 library is the remote web management tool. This intelligent technology provides data administrators complete control over library operations through web interface. The library can accommodate a maximum of 24 LTO ultrium tapes. With 2 LTO-5 drives, the throughput speed of TL2000 library accelerates to 1008 GB per hour. Therefore, you can meet the demands of enterprise-class applications with superior accuracy and higher operating efficiency. With LTO5 & LTO4 tape devices, you can encrypt the data files with AES algorithm. In addition, data can also be stored in WORM (write once, read many) format with all three LTO generations. WORM mechanism only allows data recording and prevents alterations. So the backed up data cannot be tampered. These are the best security features for the regulatory compliance requirements.

Dell TL2000 contributes to the improved operating efficiency and reduces the error rate through its fast and reliable automated backup performance. The unique robotic mechanism reduces human intervention and accelerates the data searching and storage speed. With the help of a smart bar code reader, the library keeps the media record in a proper organized manner.

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