Dell LTO-4 Power Vault Tape Drives Ensure Long Term Data Protection by Rob Miller

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Many organizations are striving hard to meet the regulatory compliance, and secure their business data (accounting data, sales data, E-mails, customer information, financial data etc.) from human errors, viruses, natural disasters and theft. Therefore it is recommended that the company must have a backup of all this data, so that the consequences of data loss can be minimized.

Well you would not have to do a lot of searching because the backup storage devices developed by Dell are trusted by the globally recognized business organizations. Dell has used its broad technological experience for the production of LTO-4 PowerVault libraries, tape cartridges and drives. Dell PowerVault drives are developed to stand apart. Dell LTO 4 tape format assists the enterprises to preserve their valuable business data for longer time periods. Storage capacity of Dell ultrium-4 cartridges in native mode reaches 800 GB. With this massive media capacity offering of Dell LTO-4, the IT managers can easily handle and preserve enormous data amounts.

LTO-4 tape technology offers more benefits to the users, which includes AES data encryption, backward compatibility, easy-to-use, â€œwrite once read manyâ€• WORM technique, and low maintenanc and operational cost. Dell LTO-4 drive is the first drive in the PowerVault class that offers the cost saving drive level encryption. Dell LTO-4 drives are formulated for efficient and fast speed AES data encryption, which encrypt and decrypt the information in form of blocks. Data encryption is the most secure way to prevent data tampering and alterations. Cryptographic keys used by the AES encryption algorithm for data encryption and decryption are 256, 192 and 128 bits. High performance Dell LTO4 technology enables the business enterprises to efficiently create data backups without any additional expense and investment of software base encryption.

PowerVault LTO-4 tape drives are intelligently formulated by Dell to secure the userâ€™s investments with the help of their long-term durability and backward media compatibility. These Dell LTO4 drives are designed to write and read not only the LTO-4 ultrium tapes but also the LTO-3 cartridges as well. Best feature about the Dell LTO-4 PowerVault drive is that can also retrieve data from LTO-2 backup tapes.

Dell LTO4 PowerVault can read and write to the below listed tapes:

Dell LTO-4 tape, 341-4640 and 341-4647

HP ultrium LTO4 tape, C7974A

Imation LTO4, 26596

Fuji LTO4, 26247007

Maxell LTO4 data tape, 183906

IBM LTO4, 95P4450

Sony LTO-4 ultrium, LTX800G

Maxell LTO-3 ultrium tape, 183950

HP LTO-3 ultrium tape, C7973a

Sony LTO3 backup tape, LTX400GWW

IBM LTO3 media tape, 96P1203

Quantum LTO3, MR-L3MQN-01

Fuji ultrium LTO-3 tape, 26230002

Dell LTO-4 tapes are designed to deliver unparalleled data performance in open system environments with their impressive 1.6 TB compressed media capacity. Dell PowerVault drives support high-density storage and feature durable read/write head, which assures tape longevity. Tape driveâ€™s transfer speed can be extended to 240 MB/second (compressed). Dell LTO-4 tape devices efficiently satisfy the strict standards of LTO, and provide lots of room for future growth and scalability. Intelligent LTO-4 technology safeguards your priceless enterprise data even during transit.

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