Article Side

HP LTO Ultrium5 Tape System Empowers Your IT Environment to Overcome the Challenges of High-Volume Backups and Data Security by Rob Miller

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Being a responsible I.T manager, you must be proactive and devise a smart strategy to overcome the problems that can affect business continuity. Data loss and security breach are the major issues which can be financially catastrophic. High capacity and more cost-efficient backup solutions are demanded by all types of small to large organizations due to the enormous data growth. Over the past decade, LTO ultrium tape technology has kept pace with the customersâ€™ increased backup demands through its scalable generations. There is a perfect LTO solution for small to large data centers.

The tape industry foremost companies have developed highly-efficient tape devices but HP Hewlett-Packard is the most dominant LTO brand. The major reason why IT managers prefer HP is because it co-invented this LTO format. To help IT managers of fast-growing enterprises, HP developed its highest-capacity LTO ultrium 5 tape devices. It delivers the best operational efficiency, long term reliability and fast transfer rate needed to deal with the modern media-rich applications and complex storage environments.

HP C7975A is the highest capacity LTO5 cartridge that has almost 88% enhanced storage capacity but equivalent size of its prior LTO-4 media tape. This has been made possible through the significant enhancement in track density. LTO5 tape cartridgeâ€™s un-compressed and compressed storage capacity is 1.50TB and 3.0TB. As compared to LTO4 tape, the voluminous business-critical information can be easily packed onto almost half the quantity of tapes, which will save more money and also your storage space.

HP carefully focuses on the organizationsâ€™ specific demands, and accordingly has developed full and half-height LTO5 drives. These multiple drive models deliver excellent performance with a variety of data centers. Therefore, the customers can count on HP LTO ultrium 5 solution for workstation backups, video archiving, fast paced businesses, data mining, mid-sized companies, supply chain management, servers and busy IT centers. HP LTO5 drives optimize the performance of backup operations at an extremely fast 280Mbps compressed rate. So the users wonâ€™t experience any problem while operating with the latest backup software and enterprise-class applications.

Most compelling feature of LTO5 ultrium system is that you can operate all brands of LTO5 cartridge with the LTO-5 drives and vice versa. LTO5 tapes that are enjoying high market share are 229323 (Maxell), 46X1290 (IBM), 27672 (Imation) and LTX1500G (Sony).

HP LTO5 system includes all the reliable features needed to secure the data assets for longer time duration. The W.O.R.M mechanism prevents overwriting and erasure of recorded data. The data encryption functionality based on the AES 256-bit technology provides highest level of security, thus protecting your sensitive customer information and valuable business documents in event of theft and un-authorized access.

To ensure consistency and fast data transfer, HP has incorporated a new smart â€œdata rate matchingâ€• technology that alters the drive speed accordingly with the host systemâ€™s data streaming rate. This innovative approach helps prevent interruptions during fluctuating incoming data rate. Thanks to this high capacity tape solution, you can satisfy your storage needs with significantly reduced IT budget and enhance your staff productivity.

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Frank Miller is the Marketing Manager of Backuptape and markets a C7975A and a 229323. He has vast experience in the marketing and trading industries and has been helping buyers who have the backup needs and guide clients about the technology.

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