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HP LTO ultrium 4 System is a Smart Investment for the Backup Storage Demands of Midrange Segment by Rob Miller

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Nowadays, the organizations are buckled under the weight of stringent data retention laws and ever-increasing data volumes. Tight budgets, time critical applications and rush to E-business are making these data protection challenges more rigorous. So to overcome these complexities, data administrators need more intelligent and efficient backup systems that can tolerate heavy workloads, provide low ownership cost and secure data without performance degradation. All of these high performance features have been combined in LTO (Linear Tape Open) format along with another exclusive and highly advantageous feature of multi-vendor compatibility.

HP is the largest manufacturer of backup devices, and has designed high quality solutions for all market segments. HP Hewlett-Packard and two other tape specialists, IBM and Seagate, worked together and engineered this intelligent LTO ultrium format. HP-branded LTO devices are the top choice of data administrators. HP LTO4 system supports a broad range of data-intensive environments including large-scale data centers, financial organizations, demanding enterprise workgroups and midsized companies. As compared to LTO-3 media tape system, your dataset will be reduced by 50% because HPâ€™s LTO ultrium 4 tape accommodates twice the data amount. Storage capacity of HP LTO4 backup tape with native data reaches 800 GB. By compressing the data files, its capacity enters into terabyte-class, and can seamlessly house 1.60TB data. So the users can efficiently copy their voluminous databases onto these small LTO4 tapes, which will improve their staff productivity and enable fast data searching.

HPâ€™s ultrium 1840 drive family, built on the stringent LTO4 specifications, offers greater compatibility through its space-efficient external and internal models. Furthermore, they are available in 3 GB SAS, 4 GB/s FC (Fiber Channel) and SCSI ultra-320 interfaces, which further improve their compatibility. These LTO 4 drives can record 1GB data in 4.2 seconds, which means a backup rate of 860 GB per hour (compressed). That is why I.T managers trust these drives for their mission-critical IT environments. Sony LTX800G is another highly durable LTO4 tape that features an ultra-fine base film and a robust cartridge shell.

HP LTO4 solution has established higher standards for durability, cost efficiency and performance. The built-in encryption functionality secures your data without degrading the performance. Thatâ€™s not all; the W.O.R.M (write once, read many) functionality adds another layer to the data security, thus preventing accidental over-writings. If the tapes are stolen or the staff misplaces them, the recorded information will remain safe and hence your sensitive business secrets canâ€™t be used maliciously.

Thanks to the intelligent â€œerror correctionâ€• codes, the drives can recover the data with supreme reliability. Backward read-compatibility of these ultrium 1840 drives extends to LTO2 tapes. So when the existing LTO customers upgrade their system, they can include their previous tapes to the dataset. This provides customers the advantage of system up-gradation with minimal investment, which is a great attraction for budget-constrained companies. To further enhance the useful life and performance, HP has introduced â€œdual-mode compressionâ€• and â€œdata rate matchingâ€• functiona its LTO4 drives. That is why these drives deliver an unbeatable working life of 100,000 media load/unloads.

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