Article Side

Quantum LTO Ultrium 5 Systemâ€™s Exclusive and Breakthrough Features That Ease the Backup Operations by Rob Miller

Article published on July 13th 2012 | Hardware

Corporate databases are growing at unprecedented rates. The challenge of managing, retaining and safeguarding this voluminous data has become stringent due to constrained budgets. The advanced time-critical applications and rush to E-commerce demand fast and uninterrupted data access, whereas viruses, system malfunctioning and security breaches can cause headaches. This is the reason why organizations donâ€™t rely on their primary storage devices and periodically create their backup.

Data administrators turn to Quantum, which has an optimal solution for the various customer needs. It engineers the backup products with the industryâ€™s most stringent manufacturing process. Good news is that Quantum has launched its most intelligent and powerful LTO ultrium5 system that offers exclusive innovative features, ultra high speed and massive capacity. This backup system allows flexible drive configuration including 3U rack-mount, internal and table top. So you can efficiently safeguard the data assets in the broadest range of organizations.

MR-L5MQN-01 is the part number of LTO5 cartridge developed by Quantum for storage consolidation. It can hold 1500 gigabytes of raw data. Data storage capability is almost twice as compared to LTO4. More media storage space will be saved and IT staff will be handling fewer tapes for daily routine operations.

LTFS (Linear Tape File System) is the most intelligent feature incorporated in this LTO5 format. Now you can use the LTO-5 backup system as if it were a removable USB flash drive. As you insert the LTFS formatted LTO-5 cartridge, it becomes visible as a drive letter. So the users can flexibly move their data just by dragging and dropping the files. You can enjoy the convenience of fast and easy backup operations. All you need to do is download this LTFS software, which is an open standard, and install it on your host system.

These Quantum LTO 5 drives allow fast connectivity and are ideal for the advanced backup applications and leading operating system. The 6 GB/second SAS interface further enhances the LTO5 drivesâ€™ compatibility. Up-gradation to LTO5 system doesnâ€™t mean that the existing LTO customers will have to leave behind their previous tape resources. You can integrate them into this new system as LTO5 drives read both previous generations. This is good news for LTO 3 and LTO4 customers, and their backup systems can be up-graded without any fear of losing the previously backed up data. So your investment will be protected and organizations can improve their performance in a cost effective manner.

LTO 5 drives reliably stream heavy data volumes at a maximum 140MB/s native speed. Another unique feature is their variable speed functionality. They can operate at different speeds which allow them to match the drive speed and hostâ€™s incoming rate. This helps to boost the backup performance and achieve an unparalleled 250,000 hours MTBF (Mean Time between Failures). Your data will also be secured without any additional expense as the Quantum has incorporated the 256 bit encryption capability in all of its LTO 5 drives. It is the most reliable system, thus providing the robust security demanded by todayâ€™s busy and multifunctional data centers.

Article Source:
http://www.articleside.com/hardware-articles/quantum-lto-ultrium-5-system-s-exclusive-and-breakthrough-features-that-ease-the-backup-operations.htm - Article Side

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Article Keywords:
lto5 media, MR-L5MQN-01, lto-4, lto 3 media, Quantum lto ultrium tape, lto-5 backup media

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