

ULTRIUM 5
Data protection tape format

LTO NewsBytes



Two Separate Studies Show Tape Can Provide Considerable Storage Cost Savings

Many are surprised that the argument over the best media for long-term storage of data still exists. It has long been said that tape can provide cost advantages over other digital forms of storage, and now there are two recent studies, one from research firm ESG and the other from The Clipper Group, where tape was found to have considerable long-term cost advantages versus a disk-only solution.

Mark Peters of ESG published a comparative TCO study¹ using standard industry specifications to describe a Virtual Tape Library system with data deduplication (at 15:1 reduction ratio) compared to a tape library with LTO-5 drives in several different backup and disaster recovery scenarios over a five-year timeframe. In all scenarios, tape was found to have a lower TCO, in some instances as much as 4 times lower.

Analysts David Reine and Mike Kahn of The Clipper Group published a 12 year TCO archive study² comparing a SATA disk system with an LTO-5 tape library system. The paper concludes that the average disk system was fifteen times more expensive than the average tape system, and used 238 times more energy (with the disk energy consumption costing more than the total tape costs).

Tape storage can help address cost control objectives for backup data and long term archived data as well as providing off-line protection from threats that can corrupt on-line data such as system error, virus, and sabotage. Typically a strategic blend of disk and tape can help address the assorted needs and objectives of the storage manager for fast access, security, compliance, data protection, energy efficiency and cost control.

To access the papers and learn the details of these important studies [click here](#).

Mark Peters of ESG will be hosting a webinar in April 2011 to discuss his findings in more details. Please visit the [LTO program site for updates](#).

1 A Comparative TCO Study: VTLs and Physical Tape, By Mark Peters, ESG, Feb. 2011.
2 Clipper Notes report "In Search of the Long-Term Archiving Solution - Tape Delivers Significant TCO Advantage over Disk", The Clipper Group, Dec.23, 2010.

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NAB

April 11th - 14th (Las Vegas)

JOIN OUR SEMINAR AT NAB 2011!

Booth # N6619

Come learn how the new LTO-5 innovative tape storage technology with the new Linear Tape File System (LTFS) can save costs and make tape usable in a fashion like disk or other removable media!

When: Tuesday, April 12th

Where: N238

Time: Noon-2:00

Lunch will be served

SNW CHINA

May 31st and June 2nd (Beijing/Shanghai)

IBC

Sep 9th - 13th (Amsterdam)

STORAGE DECISIONS FALL

Sep 19th - 20th (New York City)

DV EXPO

Sep 21st - 22nd (Pasadena)

SNW FALL

Oct 10th - 13th (Dallas)

IP EXPO

Oct 19th - 20th (London)

BROADCAST INDIA

October 20th - 22nd (Mumbai)

INTER BEE

Nov 16th - 18th (Tokyo)

GV EXPO

Nov 30th - Dec 1st (Washington DC)

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