



## LTO NewsBytes



### The Storage Dilemma – What are the best practices for backup and data retention?

Data keeps piling up and makes a storage manager's job quite daunting especially when combined with performance, security, compliance and data protection issues. **Disk and tape in a strategic implementation are both needed to address these matters.**

Disk can be used as a backup target to facilitate high access applications while **tape technology continues to offer an excellent target for storing data with lower access requirements, long term retention, data protection and attaining favorable total cost of ownership.** The key to understanding the best use of either medium for data storage and protection essentially is in knowing its place in the storage hierarchy.

In order to help resolve much of the confusion about the best use of storage solutions, we'll be bringing to you a **five-part series of best practices** that elaborates on recommendations for addressing the needs of a storage environment. This isn't a technology comparison, but more an elaboration on the five most important things to consider when determining best practices for backup, disaster recovery and long-term data retention. We'll present the first to you now:

#### Best Practice 1 of 5: Be efficient and store wisely.

Data managers understand that not all data is created equally, and determining the right way to store different information at the most efficient cost is a critical aspect of a successful storage environment. A recent study by the University of California at Santa Cruz found that **90 percent of data stored on disk was never accessed again**, and another 6.5 percent of the data was only accessed once more.

Information that might be rarely accessed - if at all - certainly doesn't require a disk that is constantly spinning and requiring energy resources to maintain it, so that 96.5 percent of data most likely could be better - and more efficiently - stored on a medium that doesn't cost as much to acquire, power and maintain... **use tape!**

Read the entire best practice in the white paper highlighted in the following section.

#### ...There's More

There are four additional best practices for backup and long-term data protection - and we've just scratched the surface with the first. To see all of the best practices and more about the roles of disk and tape for backup and data protection, visit the [Ultrium.com](http://Ultrium.com) web site for a white paper entitled "[The Evolving Role of Disk and Tape in the Data Center](#)" by Sylvatica Consulting and stay tuned for the next edition of LTO NewsBytes highlighting the next best practice.



### LTO Technology on the Road

The LTO Program will be sponsors and exhibitors at the following events:

#### Storage Decisions NY

September 22nd and 23rd  
NY Hilton - NY, NY  
[storagedecisions.techtarget.com/](http://storagedecisions.techtarget.com/)

#### Storage Expo UK

October 14th and 15th  
Olympia, London  
[www.storage-expo.com](http://www.storage-expo.com)

#### SNW Europe

October 27th and 28th  
Congress Frankfurt  
[www.snweurope.net/](http://www.snweurope.net/)

### Best Practices White Paper Now Available!

As storage platforms continue to evolve, IT managers are forced to weigh capabilities, costs, benefits and constraints. The LTO Program just released a white paper, "The Evolving Role of Disk and Tape in the Data Center," that outlines ways to best utilize both tape and disk to increase data protection and improve TCO. For more information, check it out on the [LTO Ultrium Web site](#).

### So You Want to Know More About Encryption?

Every month, companies risk data loss that could potentially expose millions of sensitive records. Data encryption can help address these issues, but how is it best applied and which tools can be utilized to address security? The answer: a white paper from Silverton Consulting provides insight into encryption methods and how to address security issues with LTO-4 encryption. A [webinar](#) is also available.

Use LTO-4 Technology with  
Tape Drive Encryption,  
Your Smart Bet for Data Protection!

For more details, check out white papers, articles and other useful information at [www.ultrium.com](http://www.ultrium.com)

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