

**ULTRIUM 5**  
LTO  
Data protection tape format

# LTO NewsBytes



## Boo!

Halloween season is rife with ghosts and ghouls lurking in the shadows, but nothing is more horrifying than when gremlins wreak havoc on the data you're responsible for protecting. Are ghosts and goblins lurking near your data?

Here are a couple of horror stories to consider when thinking about protecting your data:

One organization had a one-way ticket to the house of horrors following a wipe-out of their main database for which there was no offline back-up in place. You see, the database was overwritten as a result of a malicious act from a disgruntled ex-employee. The server had two large drives in a RAID configuration, so the corrupted data was "backed-up" on the other drive. Had they included a tape backup which could have made the data offline and inaccessible, they might have been saved from the data goblin.

A major communications firm had a disk that went missing containing data on millions of customers. The compromised data was thought to have included names, addresses and phone numbers. Details on celebrities, politicians and business leaders were reportedly among the items - and it was revealed that the data was for sale on the Internet. Had the data been transported on an LTO encrypted tape cartridge they would likely have escaped the data witching hour.

So while data witches, goblins and ghosts make merry on this last of October's days, don't get stuck in the same storage malaise. By utilizing storage best practices in data protection, you can spare your data from a similar attack.

You can balance the evolving roles of disk and tape technologies as part of a comprehensive, tiered storage architecture to address complex data protection needs. For more detail, a [white paper](#) discussing these roles and best practices is available at the LTO Ultrium Web site.

The new LTO Ultrium generation 5 tapes can store 3TB of data (2:1 compressed) at up to 280MB/second (2:1 compressed) for low cost - high performance offline data protection. Learn more at: [trustlto.com](http://trustlto.com)

For more information, visit the [LTO Program website](#), read more about [LTFS](#) and the [LTFS specifications](#), see a video demonstration of LTFS in action, review the [LTFS FAQs](#).

## Tape Gets Even Easier to Use with LTFS

- With LTFS one partition can hold the content and the other can hold the content's index: the tape can be self-describing
- Can enable capabilities that can manage files directly on tape and can allow for easy sharing of the tape cartridge with others
- Can provide file system access at the operating system level
- Can allow viewing and access of tape files in a fashion like disk or other removable media with directory tree structure, drag and drop!
- Can help address the growing needs of market-place segments with rich media such as Media and Entertainment, Medical, Digital Surveillance and more!

"I am shocked! This is exactly what we need!"  
Reaction from a client at the 2010 National Association of Broadcasters conference in Las Vegas after seeing the [LTFS in action](#).

[Click here to learn more about LTO-5 technology.](#)



**Use LTO-5 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)**