ULTRIUM **6**

LTO NewsBytes

New Year Ushers in New Opportunities

The New Year typically is a time when you re-evaluate, refresh and rejuvenate – a time to reflect on the past year and think about what changes the next year will bring. It's when you take a look at what you can do to improve, get more efficient and examine new opportunities… new resolutions!

LTO Generation 6 Technology Has Arrived

For the LTO Program, 2013 is an important year as the latest generation of LTO Ultrium products start to hit the market. LTO Ultrium Generation 6 technology provides a significant upgrade in speed and capacity over the previous generation, with a single tape offering up 6.25 TB of compressed capacity* – more than twice the compressed capacity of LTO Ultrium Generation 5 tape – and up to a 400 MB per second data transfer rate compressed for outstanding productivity. LTO-6 products are now available. See a list of some of the LTO product providers under "where to buy" at the LTO program website here.

With LTO-6 technology, video producers can back up their content at high speeds of up to 160MB per second (native). And for storage, imagine being able to fit over 100 feature-length Blu-ray movies on one tape… With LTO-6 technology, it's possible!

LTO-6 specifications also continue to provide for the features that you've come to rely upon from previous generations: WORM to address compliance requirements, encryption to help secure sensitive information and partitioning – which allows for "game changing" Linear Tape File System (LTFS) that gives tape easy-to-use file "drag and drop" capabilities for a variety of compatible operating systems. LTO-6 drives also continue LTO Ultrium technology backward compatibility capabilities, helping to preserve investments by reading LTO-4, LTO-5 and LTO-6 tapes and writing to LTO-5 and LTO-6 tapes.

Data Must Be Protected For The Short And Long Term

Protecting data – very likely the lifeblood of your industry -- is more important than ever for backups and archives. Storage options need to be easy-to-use, reliable and fast in addition to being relatively low-cost. That's where LTO tape and LTFS technology hit the mark. Storing files to tape is easier to use than ever before.

LTFS essentially is a file system on tape that can allow viewing and access of tape files in a fashion like using disk or other removable media. It provides directory tree structures and drag and drop capability. The result: tape is easy to use and portable across different hardware and software platforms with no traditional software dependencies. A number of LTFS supported offerings are available with more on the horizon.

Why LTO tape is on so many New Year's Resolution lists:

- **It's reliable, offers high speed and high capacity:** Tape has a better bit error rate than disk!

- **It's Cost-effective and green:** Lowest storage cost - Cartridges on a shelf consume no energy

- **It's scalable:** Easy to increase storage capacity just add cartridges at only about 3 cents per GB

- **It's removable / transportable / shareable:** Off-line and off-site storage protects data from attacks that can corrupt on-line data (e.g. viruses, software errors)

- **It's easy to use:** Tape automation has simplified the process and LTFS makes tape easier to use than ever before

So, if you're considering making good on that New Year's resolution of finding an easier, more reliable and inexpensive storage solution, be sure to make LTO-6 technology part of your planning. For more information, check out the LTO website.

* Assuming a 2.5:1 compression achieved with larger compression history buffer available beginning with LTO generation 6 drives.

Want to Know More About LTFS?

LTFS is changing the way that storage managers are looking at tape – and opening the door for applications in a broad range of industries. To learn more, check out the new two-minute LTFS animation introduction video at the LTO program website.

LTO Licensees Pass LTO Ultrium 6 Interchange Testing

Some of the most prominent names in the industry continue to provide their support for the LTO Ultrium tape format. The LTO Program recently announced that Fujifilm Corporation, Hitachi Maxell Ltd., Imation Corporation, Sony Corporation, and TDK Corporation completed interchange testing for LTO Ultrium format generation 6, permitting these companies to use the LTO Ultrium generation 6 format trademarks on their LTO technology products.

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