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LTO NewsBytes

More Security and Protection for Digital Surveillance with LTO Technology

One of the things that surprised us the most since the introduction of LTFS is the broad range of new applications for LTO technology. Helping to drive these new uses is the increasing amount of data that is being generated every day. By some accounts, primary storage in 2015 is estimated to hit 8.5 zetabytes. That figure is said to reach 40 zetabyes annually in just five years!

What's driving this huge amount of primary data storage? Video is a significant component. In fact, nearly *100 hours of video* is uploaded to YouTube each minute. That's staggering when you consider that high quality video requires megabytes of data for each minute.

Another significant driver of primary data is video surveillance. Several trends are driving this, but the most significant are the increasing demand for security, the rise of IP surveillance and the need for better image quality.

Today's video surveillance systems are actually highly complex systems – not your camera attached to a VHS recorder. They entail servers and storage, switches and routers, mobile devices, and other integrations that make them easier to use and more flexible. Overall, each minute of surveillance is creating massive amounts of data that needs to be archived – as much as one gigabyte of data for each minute observed with a 1080p quality implementation.

That's where LTO technology comes in to play. Archived footage can be quickly transferred and economically stored on LTO tape systems. With LTFS, this footage is easily managed and quickly accessible when needed. LTO technology meets some of the strictest guidelines and best practices for retention at the lowest total cost of ownership.

We highlighted how this all works with LTO technology at the recent ASIS International Security Summit in Atlanta a few weeks ago. If you missed us, take a look at the presentation at the LTO website.

To learn more about the use of LTO Technology and LTFS for video surveillance, download "Coping with the video 'Data Bulge'" whitepaper from the LTO website.

To learn more about LTO technology, visit the brand-new LTO website at www.lto.org.

Want to Know More About LTFS?

LTFS (Linear Tape File System) is changing the way that storage managers and content providers 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.

The LTO Program is on the Road in 2014!

This 2014 trade show season is shaping up to be a good one and the LTO Program will be providing more insight on the latest uses of LTO technology and LTFS. Stop by and visit if you're attending Supercomputing in New Orleans.

TAPE $AVES

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For more details, check out white papers, articles and other useful information at www.lto.org