



LTO NewsBytes

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Meet the Next Generation of Tape Technology

The creation of data has seen exponential growth for the past decade forcing IT managers in a number of fields including, media and entertainment, healthcare, video surveillance, research and more to look for cost-effective short- and long-term data storage solutions. With these concerns in mind, this month the LTO Program announced the specifications of the latest LTO Ultrium format, generation 8, which is now available for licensing by media manufacturers. With unprecedented storage capacity and an impressive feature set, the LTO generation 8 technology will provide customers with a cost-effective storage solution that is both easy-to-use and addresses numerous storage needs.

The new LTO generation 8 specifications will double the tape cartridge capacity from the previous LTO generation 7, with customers now being able to store up to 30TB* of compressed data per cartridge.

LTO generation 8 will continue to support multi-layer security capabilities, including hardware-based encryption and WORM (Write-Once, Read Many) functionality. The partitioning functionality that allows users to present an easy-to-use tape-based file system with LTFS which will be also included in this generation.

Learn more about LTO-8 technology specification and read the official press release from the LTO Program [here](#).

The Future of LTO Technology

Alongside the LTO-8 technology specifications, the LTO Program also updated the LTO Ultrium roadmap, which is now mapped out through twelve generations. The new LTO technology roadmap, details specifications up to LTO-12 technology, extending the total capacity of data held on one LTO Ultrium generation 12 tape cartridge to 480TB* - an increase of 32 times the capacity of current-generation 7 cartridges.

The updated roadmap provides confidence to consumers and organizations in the storage industry that tape will continue to be a cost-effective and reliable option for storage professionals across a broad spectrum of industries for years to come!

Find out more about the updated technology roadmap [here](#).

And don't miss any updates from the LTO Program! Follow us on [Twitter](#) and [LinkedIn](#) to be a part of the conversation.

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

TAPE SAVES

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Next steps for the LTO Program:

[ISC East 2017](#): November 15-16, 2017 in New York City

[Gartner Application Strategies and Solutions Summit](#): December 4-6, 2017 in Las Vegas

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