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Future-Looking Data Storage for Peak Performance in HPC Environments

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High performance computing (HPC) environments continually test the limits of technology and require peak performance from their equipment—including storage. Slow overall writing of data and long seek times between file reads due to non-consecutive files, library partitioning, or laborious loading mechanisms often plague tape library efficiencies for large tape users managing massive sets of data. As the growth of data in HPC is constantly expanding, optimizing performance, increasing uptime and lowering costs become vital components to any future-looking HPC storage architecture.

Pertinent storage innovations prioritize improvements in overall access speed and minimize wear to tape media and drives for optimal system reliability at minimal cost. Recent enhancements enable LTO tape-drive-based systems to thrive in large scale storage environments and demonstrate a continual commitment to the development of tape archive technology to serve the HPC space. From minimizing robotic contention without partitions, to increasing mount performance, to speeding the time to repair and lowering overall support costs, new tape features allow users to scale storage performance like never before. To maximize performance of hardware for long-term storage, front-end software must be met with an equally powerful back-end solution. Join us to learn about the cutting-edge developments in tape library software that help supercomputing environments push the boundaries of their operational objectives, providing cost-effective storage that meets their performance, growth and environmental needs. Hear about the most recent developments to enable cost-effective solutions with unbeatable density.

Desired length

20 minutes

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