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Storage Technology Outlook

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Storage Technology Outlook

The rapid growth of data has outpaced traditional hard disk drive (HDD) scaling, leading to challenges in cost, capacity, and sustainability. This presentation examines the trends in storage technologies highlighting the evolving role of tape technology in archive solutions. Unlike HDDs, tape continues to scale without hitting fundamental physics barriers, offering continual increases in areal density along with superior energy efficiency and cost-effectiveness. With a strong technology roadmap extending into the 2030s, tape is positioned as the best solution for archival and cold storage needs.

Desired slot length

20 min

Speaker release

Yes

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