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The Evolution of Storage Media in Data Centers: Assessing the Future of Flash/SSD, Hard Drives, and Tape Storage

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Data centers are at the forefront of managing vast amounts of data, relying on three primary storage mediums: Flash/SSD, Hard Drives, and Tape. This presentation deals with the special characteristics of the individual technologies and examines the question of whether the forthcoming advances will lead to one technology being displaced by the other. Central to our discussion is the examination of the distinct roles of these storage media and the potential for transformative technological shifts on the horizon.

Key topics to be explored include:

- A high-level overview and future outlook of Flash, Hard Drive, and Tape technologies.
- Understanding the differences, limitations and expected future development of the individual storage media.
- Drawing parallels from the consumer realm, where SSDs have replaced Hard Drives, prompts the question: What is the likelihood of similar transitions occurring within data center environments?

Join us as we navigate the complex landscape of storage media in data centers, offering insights into the dynamic interplay between technology, functionality, and the evolving needs of modern data management.

Desired slot length

Speaker release

Yes

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