Tape

has been used for 50 years

based on cartridges

2013: up to 8.5 TB per cartridge (StorageTek T10000 T2)

slow random access time due to winding: approx 100 sec

high bandwidth: up to 100 MB/sec

good for archival/backup storage
Tape Library/Tape Jukebox

= cartridge library + loading robot

may hold several 100,000 cartridges

up to 100 Petabyte storage (uncompressed)

slow random access:

- fetch cartridge (several seconds)
- winding (about 100 sec)

good for infrequent yet near-line access to archive
Credits and Copyrights

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Austinmurphy at en.wikipedia
http://creativecommons.org/licenses/by-sa/3.0/deed.en

Austin Mills from Austin, TX, USA
http://commons.wikimedia.org/wiki/File:StorageTek_Powderhorn_tape_library.jpg
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