

# LTFS a Disruptive Technology

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But can it influence my HSM strategy?

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# Linear Tape File System (LTFS)

## Dual-partition linear tape

- IBM implementation released as open source in 2010
- LTO Consortium
- Self describing = portable
- Makes tape look like and behave like removable media (USB drive)
  - Hierarchical folders & files
- Requires LTO 5 tape medium
  - 1.5 TB (non compressed) – 3 TB (compressed)
  - 140 MB/s transfer rate

# Linear Tape File System (LTFS)

An enabler for greater technology

*Appliances that integrate disk and tape that can:*

- Offer “online all the time” archive
- Act as an HSM
- Complement an existing HSM that requires a 3<sup>rd</sup> party tape solution
- Offer easy application integration via simple interfaces like CIFS and NFS shares
  
- Open portable standard avoids vendor lock in
- No special software to recall the data



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*Your appliance should offer:*

- Data Integrity
  - Ensure the authenticity of your long-term data
  - Self monitoring
- Data Protection
  - Multi –copy, archive export for offsite vaulting
- Data Performance
  - Configurable retention to disk
- Data Security
  - Ensure that data is protected during transit, access and storage



Thank you

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