

What is LTFS?

LTFS is technology for tape media that organizes data into a standard file-system format.

Two Meanings

Linear Tape File System

LTO Media
LTO 6 = 2.5 TB | 160 MB/s
LTO 5 = 1.5 TB | 140 MB/s

Long Term File System

IBM TS1140 Enterprise Media
TS1140 Media = 4.0 TB | 250 MB/s

Same end-user benefits

1 Non-Proprietary

LTFS tapes can be read by any LTFS-enabled drive. LTFS is self-describing with no vendor-specific applications or hardware required to access data.



2 Faster Access to Data via Point-and-Click

Tape is partitioned into 2 segments: One for metadata (index) and one for the actual data. Indexing provides faster file-based access via point-and-click from a standard file system.

3 Lower Energy Requirements & Storage Costs

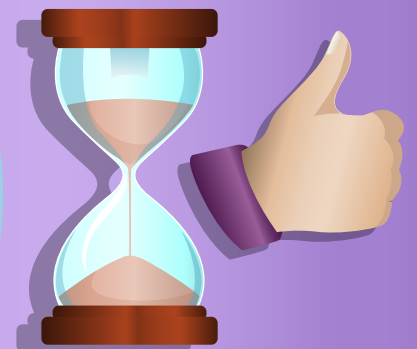


Reduce energy expense by up to **95%**¹
Less physical space with high-density tapes



7 REASONS WHY YOU NEED LTFS

4 Long-Term Reliability



Error-free Data Reads for:

LTO 6	Enterprise IBM TS1140
20,696 hours	13,797,371 hours ²

5 File Portability



Share files with collaborators around the world with open-standard LTFS.

Backwards Compatible | **30 Year** shelf life

7 Simple to Deploy

The LTFS software for LTO is available for download from most major LTO vendors.

6 Flexible for Multiple Use Cases

Many vertical markets and businesses archive long-term assets with LTFS-based solutions to simplify storage management and reduce the total cost of storage ownership.



Get StrongBox

StrongBox is a network-attached storage (NAS) front end to LTFS libraries. It delivers files on-demand, complete data protection and long-term cost savings. Learn how to leverage LTFS for your data storage, archive and protection strategies at crossroads.com/strongbox.



1. "Lowering Long-term Archive Costs with Crossroads Systems StrongBox," Brad Johns Consulting, LLC, 2013

2. "Tape: Comparison of LTO and Enterprise," Instrumental, Inc., 2013