

IBM Linear Tape File System Single Drive Edition



Access and manage all data in standalone tape environments as simply as if it were on disk

Highlights

- Access and manage files on tape as easily as if they were on hard disk
 - Drag and drop files to and from tape without requiring device-specific software
 - Share file data across platforms, similar to using a USB drive
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IBM® Linear Tape File System™ (LTFS) provides direct, intuitive and graphical access to data stored on Linear Tape-Open (LTO) Ultrium 6 or 5 tape cartridges, as well as IBM 3592 tape cartridges. It eliminates the need for additional tape management and software to access data.

LTFS is a significant step in moving tape storage away from its reputation as complex and difficult to use. Unlike disk storage, tape has previously required device-specific software to read, write and manage data stored on its cartridges in libraries. But LTFS is the first file system that works in conjunction with LTO Ultrium tape technology to set a new standard for ease of use and portability for open-systems tape storage. Users can run any application designed for disk files against tape data without concern for the fact that the data is physically stored on tape.

IBM Linear Tape File System Single Drive Edition (LTFS SDE) allows access to all data on a tape cartridge in a standalone drive attached directly to a server or via bridge box as easily as if it were on disk. LTFS SDE uses the file system's format and operating system (OS) resources to graphically display the contents of a tape cartridge in the OS graphical user interface (GUI) format, typically a folder/tree structure. The metadata of each cartridge, once mounted, is cached in server memory. Metadata operations, such as browse directory and filename search, do not require tape movement.



Similar to using a USB drive or memory stick, LTFS SDE enables users to share data across platforms by simply dragging and dropping files. Access to data is faster and easier—users just load a tape into the drive and mount it into the file system, and files become visible as if they were on a disk. Because access is not through backup software, cartridges formatted with LTFS can be exchanged more easily between users working in different operating systems, using different software and in different locations. Users’ operational agility and efficiency is increased because using LTFS does not require extensive knowledge of tape.



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Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.

* Device should be at latest firmware level

† For specific level of operating system support:
<http://pic.dhe.ibm.com/infocenter/ltfs/cust/index.jsp>



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IBM Linear Tape File System Single Drive Edition at a glance

Hardware requirements

Tape systems	IBM Linear Tape-Open (LTO) Ultrium 6 or 5 tape drives IBM System Storage® TS1140 Tape Drive
Tape media*	LTO Ultrium 6 and 5, and 3592 JC, JB and JK
Supported operating systems†	Linux Apple OS X Microsoft Windows
Warranty	Free download from IBM website: “as-is” software Open source for Linux and Mac OS versions Object code only for Windows versions

For more information

To learn more about IBM Linear Tape File System Single Drive Edition, please contact your IBM representative or IBM Business Partner, or visit: ibm.com/systems/storage/tape/ltfs/

Additionally, IBM Global Financing can help you acquire the IT solutions that your business needs in the most cost-effective and strategic way possible. We’ll partner with credit-qualified clients to customize an IT financing solution to suit your business goals, enable effective cash management, and improve your total cost of ownership. IBM Global Financing is your smartest choice to fund critical IT investments and propel your business forward. For more information, visit: ibm.com/financing