HP StoreOpen and LTFS

"For media producers, all this digital content brings with it at least two problems: storing it today for production purposes and then storing it forever – just because you may someday need it." *Brad Dick, Broadcast Engineering.*

Tape-based file system that signals a new era for data storage

With HP StoreOpen, HP has simplified the process of using Linear Tape File System (LTFS) so it's even easier to take advantage of this ground-breaking new technology.

LTFS allows you to use your familiar Windows Linux or Mac interface for accessing, managing and sharing files so that your LTO-5 or LTO-6 tape drives look and feel just like a hard disk.

In addition, LTFS provides the ability to share data across platforms, as you would with a USB drive or memory stick. Simply load a tape into the drive, mount it into the file system, and it becomes visible as a disk.

HP StoreOpen Standalone is an application that helps LTFS users to use and manage single tape drives. Available for Windows and Mac environments, it provides a native GUI with a familiar look and feel.

The HP StoreOpen Automation free application extends the LTFS functionality by presenting a tape library and its tape cartridges as a collection of folders for easy data access and management. All media movement is handled automatically by the application.

Simpler and more affordable for volume data exchange and long term archival

By upgrading to HP LTO-5 or LTO-6 technology, many application areas can cut storage space, reduce energy and lower operational costs. Now with LTFS and HP StoreOpen, they can also benefit from easier access to files in archive, and from greater data mobility by simplifying the sharing of larger files.

Key features and benefits

- **Faster access to data:** When a tape or library is mounted, the files and directories stored on it appear on the desktop in the same way as a disk directory listing in Windows or Mac OS X.
- **Simple drag and drop:** LTFS increases ease of use, simply drag and drop files to and from the tape.
- **No ISV dependency or proprietary tie-in:** LTO-5 and LTO-6 media written using LTFS is self-describing so that data recovery from tape is independent of any hardware or software platforms.
- **Increased data mobility:** Tapes written with LTFS can be exchanged more easily between users working in different operating systems, using different software and in different locations.
- **A single storage media standard:** Unify organisation-wide file sharing with HP LTO-5 and LTO-6 tape drive solutions. Tapes can move across libraries and vendors with the ease of video cassettes, while files on tape can be accessed using straightforward drag-and-drop.
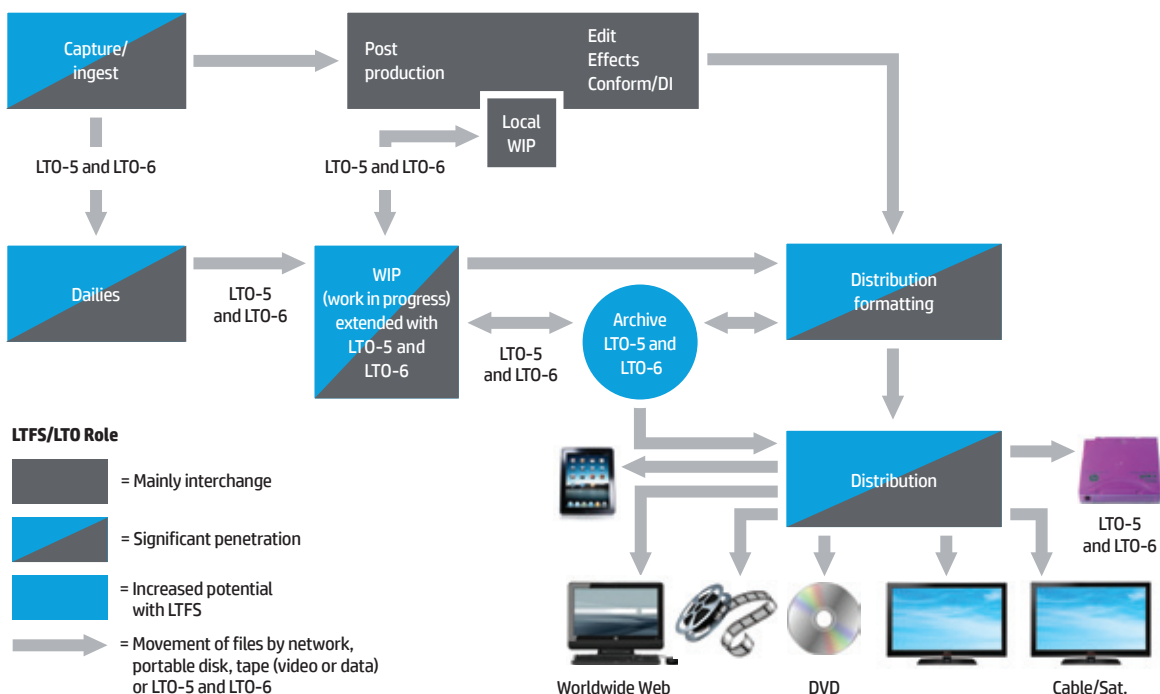
Typical applications for HP StoreOpen and LTFS

- Media industry video archive
  - see **Storage DNA/Digital Film Tree case study.**
- Safe secure production and post production footage
  - see **DeepSea Challenge case study.**
- CAD/CAM files used in design and drawing content for manufacturing, architecture etc.
- High resolution images such as medical x-rays or other health industry images.
- Surveillance video.
- Information archival for e-discovery purposes.

The media and entertainment industry is increasingly aware that HP LTO Ultrium with LTFS can deliver a solution to the expense and complexity involved in today's digital media asset retention. Together with its technology partners within the industry, HP is developing and launching a range of hardware and software applications that make the most of HP StoreOpen and LTFS with LTO-5 and LTO-6 technology to deliver reliable, inexpensive, and easy to use archiving solutions. With rapid take-up by production houses large and small, an industry is rapidly being transformed.

For more information, go to: www.hp.com/go/ltfs

Media and entertainment workflow exploiting LTFS with LTO-5 and LTO-6

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