

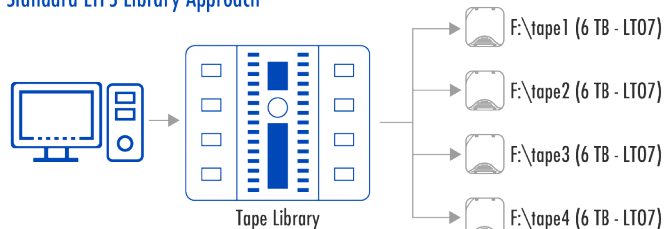
# Linear Tape File System LTFS - Volume Spanning

QStar Archive Manager introduced the industry's first software-based LTFS (Linear Tape File System) volume-spanning capability for tape libraries. LTFS volume-spanning simplifies LTFS for a tape library environment. This allows all media within the tape library can be seen as one or more ever-growing network share(s).

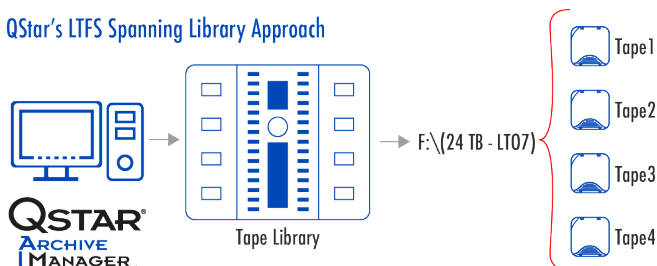
The software allows small, medium and large tape libraries to easily use LTFS within any archiving environment and application. Users can see an ever growing archive consisting of tens, hundreds or thousands of pieces of tape media, as a single network share. This improves upon traditional LTFS solutions which typically create a network share for each piece of media.

LTFS spanning automatically adds new media to an existing set of media as the previous media becomes full. This approach eliminates the constant stopping and manual reconfiguration required by standard LTFS methodologies as a tape reaches capacity.

### Standard LTFS Library Approach



### QStar's LTFS Spanning Library Approach



**Ease of Use** - standard LTFS sees each media as a subdirectory or volume. QStar “spans” these volumes to make all media available from a single drive letter.

**Fast Access** - QStar uses a disk cache to store all file locations as well as on media. This improves access times for data in the library

**File Portability** - QStar maintains the LTFS format and so data can be transported and read by other applications.

**Unsurpassed Future-proof Flexibility** - Unlike appliance solutions, software can be installed on choice of server for seamless integration to existing network security models, lowering costs while offering easier future migration from old server/ operating systems to new.

### QUICK REFERENCE

- Supports tape libraries from ALL manufacturers using LTO5 and later LTO generations, TS11xx and T10000x drives.
- Single network share or mount point for all media.
- Unlimited archive capacity, new media is automatically added as required.
- Most frequently used files stored on disk, prevents unnecessary library access.
- File metadata stored on disk and on LTFS media.
- Tracks all data online and offline.
- Software support for Windows and Linux servers to integrate with users chosen security model.
- Import and export individual LTFS media for stand-alone drive support.
- Automatic creation of disaster prevention copies through incremental copy or replication.

### OPTION FOR LTFS FILE SPANNING

- Improves media utilization and supports file sizes larger than the capacity of tape media

“Not only is tape not dead, but tape now has new life breathed into it by QStar with its ability to use volume-spanning to extend the usefulness of LTFS. QStar's LTFS volume-spanning creates highly scalable active archiving systems that empower enterprises to effectively reap the large cost benefits for using tape as part of very large archiving solutions.”

David G. Hill  
Mesabi Group LLC



For more information, please contact the archiving experts at QStar:

