

FOR WHAT IS LTFS ESPECIALLY SUITABLE



More and more users are recognizing that LTFS in conjunction with the LTO tape technology is an answer to the requirement of cost-effective long-term storage in spite of exploding data volumes. That is the reason why we at BDT have decided to develop an application based on LTFS to make the use of tape in combination with our Tape Libraries as easy as possible.

LTFS is especially suitable for the following use cases:

- Storage of large amounts of data
- Long-term storage of data (archiving, compliance, etc.)
- Less frequently accessed data

And thanks to big data the combination of the mentioned points is true more and more. Let's have a look at where LTFS is already used.

Due to the digitalization the Media and Entertainment Industry has vast amount of digital data. The recording of a piece of music in digital format of a modern music studio with 64 soundtracks provides a depth of data that has a volume in the double terabyte range. After the recording several sound studios deal with the mixing and refining of the soundtracks. The complete raw material must be preserved for posterity. If the song is a success, it can be interesting to publish it as new remix again.

Something similar applies to the Film industry but in different scales. Due to high definition requirements of the consumers, the raw material of a cinema film is several petabyte big. Also here it is valid: after the processing and finishing of the film it has to be preserved for posterity.

Surveillance material from video cameras is also a fitting use case for storage of data with tape and the LTFS file system. Frequently the material has to be stored for long-term or for example due to legal regulations. At the same time it is also possible that it will not be used anymore. If the surveillance video is not used to provide evidence the data on tape is not touched anymore. And if it is needed, it must not be available after milliseconds. A load proceeding of some seconds or even of some minutes doesn't matter in this case.

These are just some examples that shall show you the strengths of LTFS. Of course there are many other uses cases like in science or research and development as well as even at small and medium sized companies.