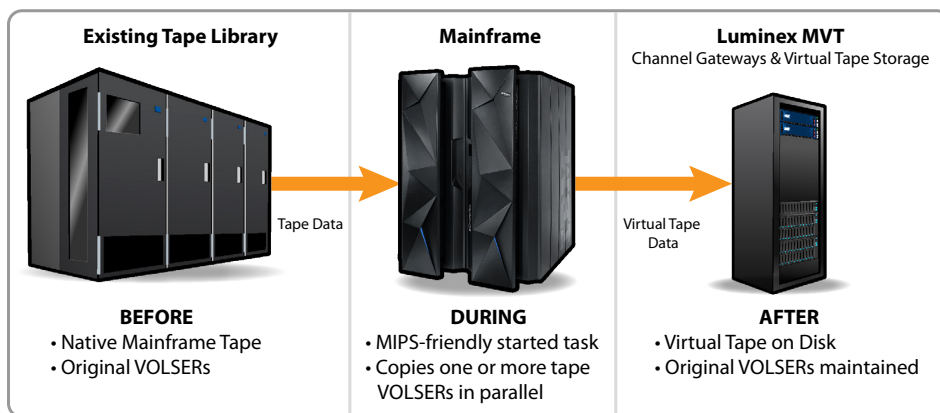## Why Tape Migration?

Mainframe enterprises are increasingly realizing that creating, storing and managing physical tape is a costly burden they no longer need to face as more and more mainframe users go tapeless. Many of these mainframe customers are adopting Luminex's Modern Mainframe Virtual Tape (MVT™) solutions to replace large portions of their existing physical and virtual tape infrastructures. These robust solutions use Luminex Channel Gateways to eliminate the need for physical tape.

In order to maintain all of their data on more efficient virtual tape storage, these customers have required large scale conversions of their existing tape inventories. Luminex has responded with a Modern Tape Migration solution that facilitates a near-seamless migration from existing physical and virtual tape.

Luminex Tape Migration Expertise

Our professional services team has successfully completed complex tape migrations for mainframe clients worldwide. Our engineers are thoroughly trained and certified with years of experience in meeting the complex needs of mainframe enterprises. Luminex has many satisfied tape migration clients and will provide references upon request.
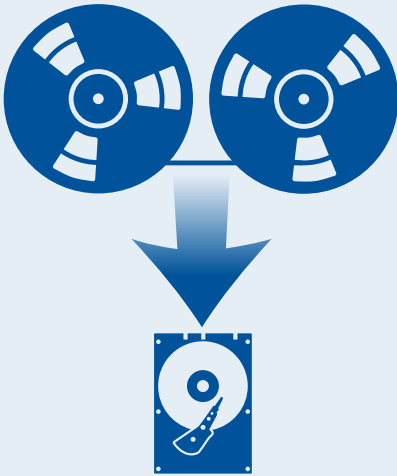

Existing Tape Library

Tape Data

BEFORE
- Native Mainframe Tape
- Original VOLSERs

Mainframe

DURING
- MIPS-friendly started task
- Copies one or more tape VOLSERs in parallel

Luminex MVT
Channel Gateways & Virtual Tape Storage

Virtual Tape Data

AFTER
- Virtual Tape on Disk
- Original VOLSERs maintained

100,000, 250,000, 500,000 or more tapes?

No Problem!

KEY FEATURES

- MIPS friendly started task
- Copies one or more tape VOLSERs in parallel
- Can be ramped up or down
- Produces exact copy of the original tape, regardless of labels or unusual tape mark combinations
- Copies any data beyond last tape mark on tape
- Automatically optimizes tape I/O when feeding fixed block size files for faster throughput
- Fully compatible with existing MVS or tape management system catalogues
- Automatically tracks those VOLSERs that have been copied, that have not, and that need to be re-copied
- Tape allocation steering automated through Luminex's TMACS Software
- Safe and secure—no off-site activity

Luminex Tape Migration Process

- Assessment
- Statement of Work/Plan
- Execution

Assessment

The tape migration project begins with a comprehensive assessment of the existing mainframe tape environment. The assessment enables Luminex to determine the entire scope of the project and to identify which of our many "tape cutover" methods will be best suited for the project.

SOW/Plan

From the assessment, Luminex will create a Tape Migration Statement of Work. Included will be our proposed tape cutover plan stipulating the order by which migrated tapes will be transferred and available in the new Luminex enabled virtual tape solution. Planning considerations include:

- Number of tape libraries or silos
- The rate at which new tape data is being created by the host
- The number of tapes not currently residing in a library
- Vaulting patterns
- Tape allocation steering
- The number of tape management system catalogues
- The number of LPARS per SYSPLEX
- Any geographical considerations

Execution

Luminex then prepares a detailed Tape Migration Plan that consists of a complete list of tasks that have to be accomplished, assignments of specific responsibilities for each task, and division of tasks into phases showing the direct relationship of those tasks to cutover(s).

"Luminex has successfully completed migration of 320,000 tapes from our legacy tape libraries to our new Channel Gateway Virtual Tape Storage System. This migration was completed automatically with little or no impact to our daily data production operations."

Systems Administrator,
Major Healthcare Services provider

About Luminex

Luminex is a leading developer and provider of disk-based mainframe virtual tape products and technologies. Luminex solutions allow mainframe enterprise users around the world to take full advantage of the benefits of Modern Mainframe Virtual Tape to eliminate or reduce physical tape, improve RTO and RPO, lower capital and operating costs and improve data security. With Luminex solutions, enterprises can now have a single backup and recovery program for their mainframe and open systems data.

Luminex Software, Inc.
871 Marlborough Avenue
Riverside, CA 92507

1.888.LUMINEX
1.951.781.4100
www.luminex.com

Intercom Computer Systems GmbH

Konrad-Celtis-Strasse 81   Tel. +49 89 741364-0
81369 Munich, Germany   Fax +49 89 741364-49
www.intercom-computer.de   intercom@intercomcs.com

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