STORAGETEK ®

EXTENDED HIGH PERFORMANCE DATA MOVER

SOFTWARE

Key benefits

Reduce offsite space and backup time

By converting from 18-track tape drives to StorageTek's T9840 tape drives and StorageTek's ExHPDM software, one-user's offsite storage dropped from 2,600 18-track cartridges, to about 29, 9840 cartridges. Even better, elapsed time dropped from 24 hours to just 7.5 hours per week.
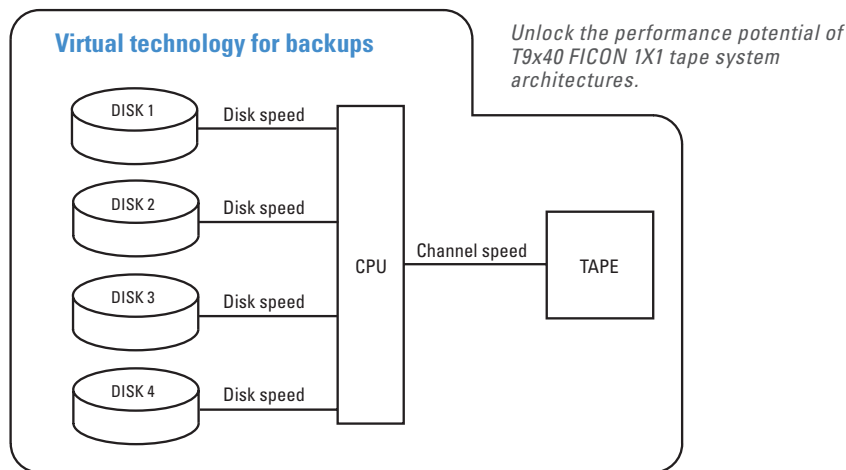
Cut backup window and tape drives

One federal customer reduced the number of tape devices by 75 percent during backup processing and still improved performance by 44 percent.

Save resources

After installing ExHPDM software and T9840 tape drives, another customer slashed backup times by two-thirds and fre ed up over 10,000 carts

Improve business resiliency.

Without ExHPDM software, it would have taken one customer 84 hours, using eight T9840 tape drives, to restore 1,617 DASD volumes. With ExHPDM software, restoration took about 26 hours, a more than 65% time savings

Virtual technology for backups

DISK 1 — Disk speed
DISK 2 — Disk speed
DISK 3 — Disk speed
DISK 4 — Disk speed
CPU — Channel speed — TAPE

Unlock the performance potential of T9x40 FICON 1X1 tape system architectures.

Cut backup time significantly

If you rely on traditional one-disk-to-one-tape-drive backups, you are wasting your system's true storage and retrieval power. With StorageTek's Extended High-Performance Date Mover (ExHPDM) software, single tape cartridges can accept output from multiple disks simultaneously. So you can dramatically reduce backup time and use less hardware and fewer cartridges. In fact, one customer dropped from 1,000 to just 20 cartridges per night.

Put your system in sync

Extended High-Performance Date Mover software seamlessly bridges unavoidable disk and tape subsystem mismatches. It dynamically interleaves data being written to the tape transport. By writing multiplexed data in 256K super-blocks, ExHPDM software exploits channel and tape drive speed and maximizes utilization for greater efficiency.

Secure your data everyday

Confronting today's decreasing backup windows, ExHPDM software virtually "makes time" for backups to protect your data while allowing more uptime for critical applications.

Speed up and simplify disaster recovery

ExHPDM software speeds up and simplifies disaster recovery processing. It not only saves time running daily and weekly backups, it gets you up and running at your disaster recovery site in record time. In addition, ExHPDM software's restore process optimizes tape mounts so you don't have to.

ExHPDM software users save time, money and data

Backups in less than one-third the time

Backing up 229 volumes once took more than five hours on 16 drives from StorageTek's TimberLine® 9490 cartridge subsystem for one customer. With ExHPDM software, using eight T9840s, backup now takes one hour and 19 minutes. And restores that took more than seven hours using thirty-two 3490 drives are complete in just five hours on eight T9840 tape drives.
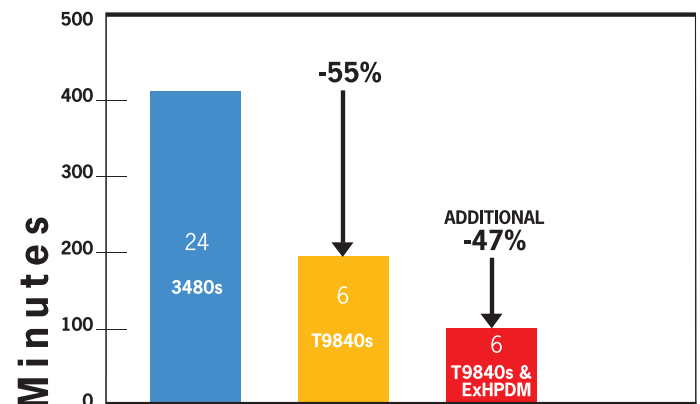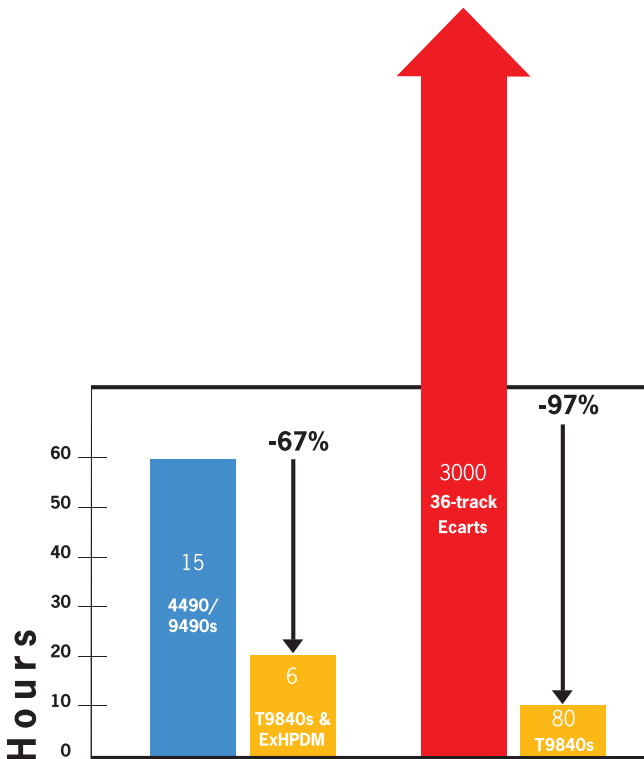
ExHPDM software specifications

MVS software compatibility

MVS/ESA release 5.2.2 or above
JES2 or JES3 with or without automation

Operating environment

IBM's DFSMSdss release 1.3.0 or above
Innovation Data Processing's FDR V5.3/31 or above
Innovation Data Processing's ABR V5.3/40 or above
1-by-1 controller to drive architecture

Typical improvements when using ExHPDM with T9840 cartridges

Hours chart:
- 15 — 4490/9490s — 60
- 6 — T9840s & ExHPDM — -67%
- 3000 36-track Ecarts
- 80 — T9840s — -97%

Minutes chart:
- 24 — 3480s — ~410
- 6 — T9840s — -55%
- 6 — T9840s & ExHPDM — ADDITIONAL -47%

ExHPDM software performance saves you actual time, hardware and cartridges.

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