FuzeDrive - Storage Tiering For Video

Why Tiering for Video?

4K Ultra-High Definition video demands uncompromised performance. Pure SSD solutions are prohibitively expensive and traditional HDD systems cannot keep up with the requirements. The answer – a FuzeDrive tiered storage solution that combines SSDs and HDDs into a hybrid storage solution for capture/playback of raw 4K video with the performance characteristics of a pure SSD system.

Performance When You Need It – Capacity When You Don't!

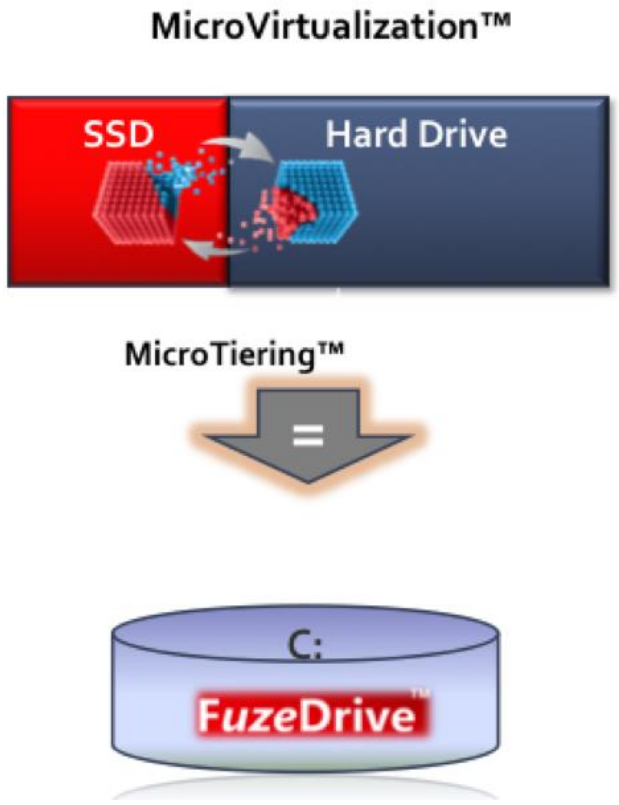
The Enmotus FuzeDrive pools SSDs and HDDs into a single virtual volume. Real-time MicroTiering™ ensures only your active files are on SSD, while the bulk of your project remains on cost effective HDDs. The result - high performance, cost effective systems with the performance of SSDs and the capacity of hard drives, at a price you can afford.

FuzeDrive Benefits

Make high performance hybrid storage using off the shelf SSDs and HDDS

Automatically or manually assign working files to SSD when needed

Single "Virtual" disk simplifies usability

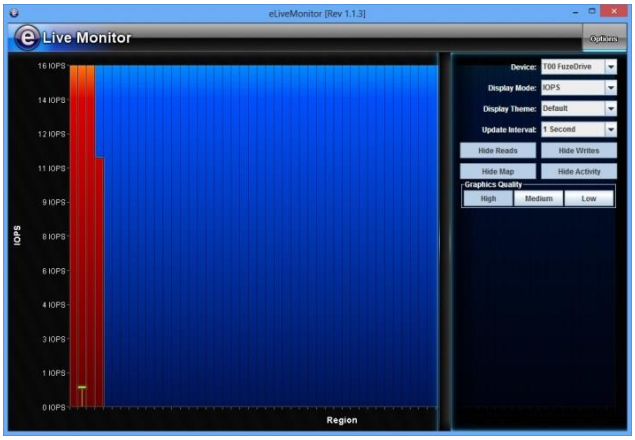


FuzeDrive Disk Array

- Drives are "Fuzed" into a single volume
- Volume appears to user as a single drive
- SSD capacity is additive to the volume
- SSD performance levels for both R/W
- Active portions of files are relocated to the SSD in Real Time
- 100% Block based decision engine
- Ability to lock files
- Files remain on SSD through power cycles as data is never flushed

Management

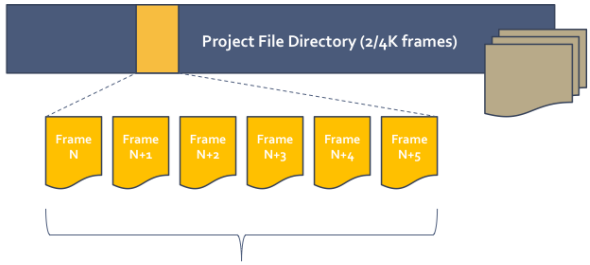
User definable policies such as promote rate, promote policy or page size can be configured via a configuration wizard. Advanced users have the option of utilizing the Enmotus command line interface. Several visual monitoring tools are available to display how the system is adapting to the data patterns.



eLive Monitor displays disk IO activity and relative mapping of the SSD vs HDD. User may display current or accumulated R/W IO activity or throughput overlaid on top of the current virtual disk map

Manual Frame Pinning

Even large projects only have a small set of working files. With manual frame pinning, you can easily "pin" the files you need to the SSD, guaranteeing full SSD performance. No need to buy expensive high capacity pure SSD arrays.



Only promote the section of the project you are working on to SSD. Simply select the files (frames) and tell the engine to promote now. Files will start promoting immediately, increasing performance for 2/4K stream rates

EchoStreams Video Solutions with FuzeDrive

FlacheSAN1

- 1U short depth design
- 20x hot swappable 2.5" 7mm SATA bays

eDrawer 4048J

- 4U 48x top load 6G hot swap HDD
- Up to 192 TB