



MXFS

MatrixStore File System (MXFS)

MXFS provides resilient, cross platform, file system access to your content within MatrixStore. Adding performance, high-availability and data security, MXFS allows you to incorporate MatrixStore into your existing workflows with the minimum of effort. Most existing applications simply work out of the box.

Many workflow tools require file system access to read or write data and MXFS provides that file system access. MXFS can run on one, or many client machines with each instance providing access to a MatrixStore Vault. On Windows MXFS presents a MatrixStore vault as a drive letter and on Mac or Linux as a volume. This approach enables workflows whereby content can be viewed or used 'in place' with solutions such as AMA from Avid.

As with any file system, you can use your file browser (Finder, Explorer etc.) to access MatrixStore objects as regular files. You can randomly write, read, update stored files and delete them if you have permission to do so.

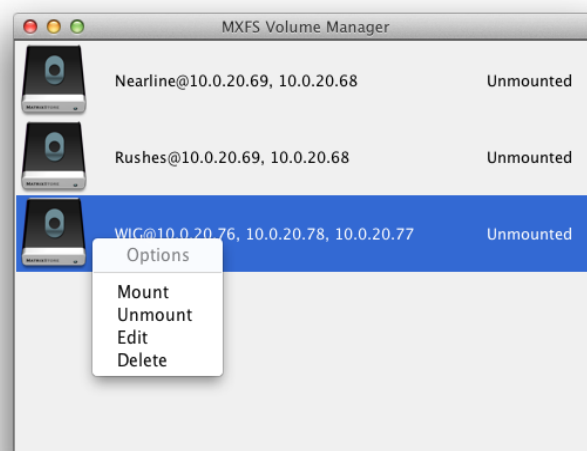
Data stored using the MatrixStore API is compatible with MXFS which means that you will always be able to retrieve or use your content using a standard file system interface.

Product Highlights

- **Guaranteed Data Authenticity:** Using the MatrixStore APIs ensures the data stored is guaranteed to be authentic.
- **File System View:** Allows users to filesystem mount a MatrixStore vault, much like a workspace in an Avid environment.
- **Application Access:** Allows applications to write, read, update and delete data (where permissions are given). Operations such as creating directories, moving or copying files are also possible.
- **Integrated Access:** Integrates with other MatrixStore tools, such as DropSpot, to (e.g.,) allow data dropped into MatrixStore with DropSpot to be read, via MXFS.
- **User Driven Workflows:** Enables users to view the content in the nearline storage before deciding which clips or content to bring back to production storage platforms.
- **Multiple Vaults:** It is possible to have several MatrixStore vaults mounted at the same time as separate volumes or drive letters.

MXFS Benefits

- Direct access to content in a MatrixStore vault from a file system interface
- Enables content to be shared across platforms and teams
- Browse clips directly using Avid AMA
- Access content from Mac, Windows or Linux Clients
- Enables user driven workflows
- Represents a massive storage pool as a local mount point
- Enables file based workflows (including UNC path driven applications)



- **Multi-Platform:** Access the MatrixStore Vault from Windows, Mac OS and Linux
- **Share Content:** MXFS can be published by a server to act as a network share (SMB, NFS etc.)
- **Impressive Throughput:** MXFS can be run individually on many clients to avoid the "bottleneck" of running through a server machine. Each client can move content at over 100 megabytes per second.
- **Automatic:** MXFS can be configured to run as a service ensuring the volumes or drives are automatically mounted ready for you to use when you need them.
- **Safe:** Use MXFS in read-only mode to protect content from accidental deletion.