Stay ahead of the curve

SUPERIOR SHARED STORAGE FOR POST PRODUCTION

10Gb

16Gb

1Gb

Tape

Live Feed

INGEST

Hard Drives

Media Files

EDIT

MANAGE

eMAM

ARCHIVE

STORAGE

Mobile/Tablet

Web

SHARE AND SEND

Optical Media

Playout Servers
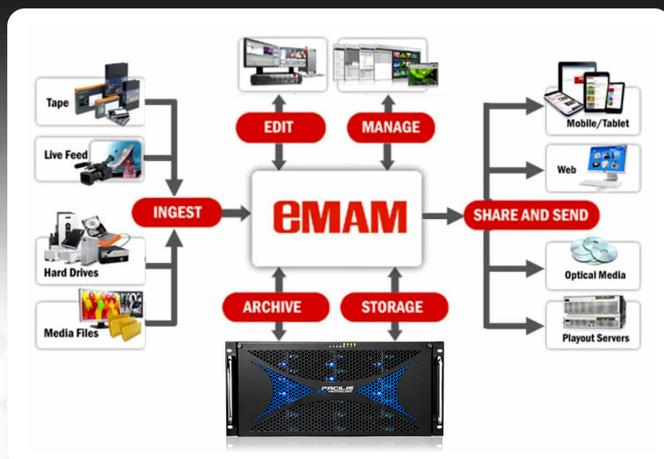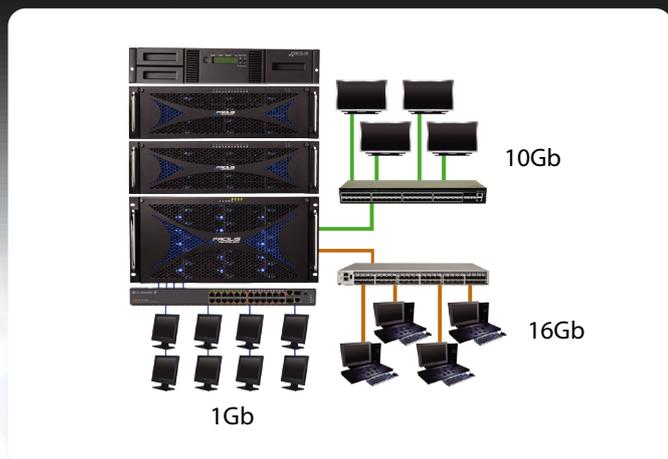
Key Features

Facilis technology designs and builds shared storage servers for collaborative media production networks. Our unique shared file system is included with all Facilis servers and allows complex, cross-OS network environments to collaborate workflow across media production applications and file formats.

Enhanced web console interface

The Facilis web console delivers simple yet powerful control and management of post production environments. The browser-based console can be accessed from any desktop or mobile device, and provides secure access to all administrative tasks.

Structure

Use both NAS or SAN structure to connect with NLE for streaming content. Supports SMB, AFP or NFS.

Even when connected through Ethernet, mount volumes to appear as a hard drive in Finder or Explorer. Network drive restrictions are removed, and OS-level access speed improves.

Ability of expansion

Facilis offers external expansion through its expander storage for additional online virtual volume storage. Servers are expanded up to 4PB capicities. Facilis is capable of aggregating multiple terrablock drive groups and offloads server processing to achieve a higher level of bandwidth and stream count.

Monitoring

Per-volume and per-workstation bandwidth monitoring with weeks of historical data that can be zoomed-in and reviewed. See every detail of your daily workflow activity.

Multi-platform shared file system

Apple OS X, Windows and Linux workstations access the same writable volume without 3rd party software or per seat licensing, external metadata controllers or complex networking.

8/16Gbit fibre channel & 1/10Gbit ethernet

Choose the speed of access to your video and audio files with multiple methods of connectivity to suit your band width needs and budget. Clients connect directly to the server or through a switch.

Connection with 1GB/Sec speeds through standard dual-port 10Gb, and options like 40Gb ethernet and fibre channel are also supported.

Selectable Data Sharing Methods

Through software, choose whether each virtual volume is designated as file-level for total collaboration or volume-level for ultra-high performance data sharing. Change volumes from volume-level to file-level on the fly.

Integrated nearline & backup

Back-up, replicate and mirror through syncblock right from the server desktop. Utilize raid 6 nearline storage through the Facilis shared file system, and schedule project back-ups to LTO and FTP or cloud services.

FastTracker Integrated Asset Tracking

Create custom catalogs, assign permissions and add metadata into a fully searchable database with drag and drop application import and integrated preview player.

Ultra-high performance

Full 4K DPX workflow support through single-user write, and up to 2160p 4K support through the multi-user write shared file system. Future-proof your facility for the next stage of 4K UHD deliverables.

No per-seat licenses or 3rd party fees

While most shared storage system providers charge you for expanding your client count, Facilis allows you to connect Terrablock to up to 100 fibre channel and ethernet clients at no additional license or support cost.

Virtual volume workflow and performance

Virtual volumes offer dynamic volume creation, expansion and allocation, as well as tolerance to fragmentation and speed degradation. Maintain 100% performance even at 100% capacity.

The Facilis family of Shared Storage Systems intergated with eMAM will provide completed solutions for asset management and workflow tools.

eMAM is a powerful media asset management platform that provides an online proxy library of digital content with rich collaboration tools while managing native resolution content in Facilis files shared storage system. Together, Facilis with eMAM can meet current and future demands. Automated, integrated workflows simplify management and reduce operating costs. Additional features, such as virtualization improve productivity and collaboration. eMAM utilize Facilis virtual volume for auto-ingest card formats like P2, XAVC, XDCam, Sony Raw, IMF, DCP, AS-02 directly into Avid/Adobe with full metadata and stitching support.

Simple browser interface

The simple eMAM browser interface can now manage any media and non media files inside storage with processing and archiving. With scores of best-in-breed integrations, Facilis with eMAM can provide complete integrated media workflows locally or in the cloud. Nearline and archived content can be accessed from any web browser.

Users can quickly search and preview media using online proxies, while the original high resolution content can be securely archived to LTO. High speed transcoding allows users to make numerous formats as required and deliver to editing systems, playout servers, websites, mobile devices, and more.

eMAM Director

This is the key user interface, included with all eMAM systems. It has all of the features needed by most users on a daily basis. It is a flexible, widget interface based on HTML 5, to fit to any screen.

The Director interface has language localization, so the language of the interface will match the language for the browser for many languages. Individual users or user groups can have predefined workspaces to optimize their activities or use widgets to build their ideal workspace(s).
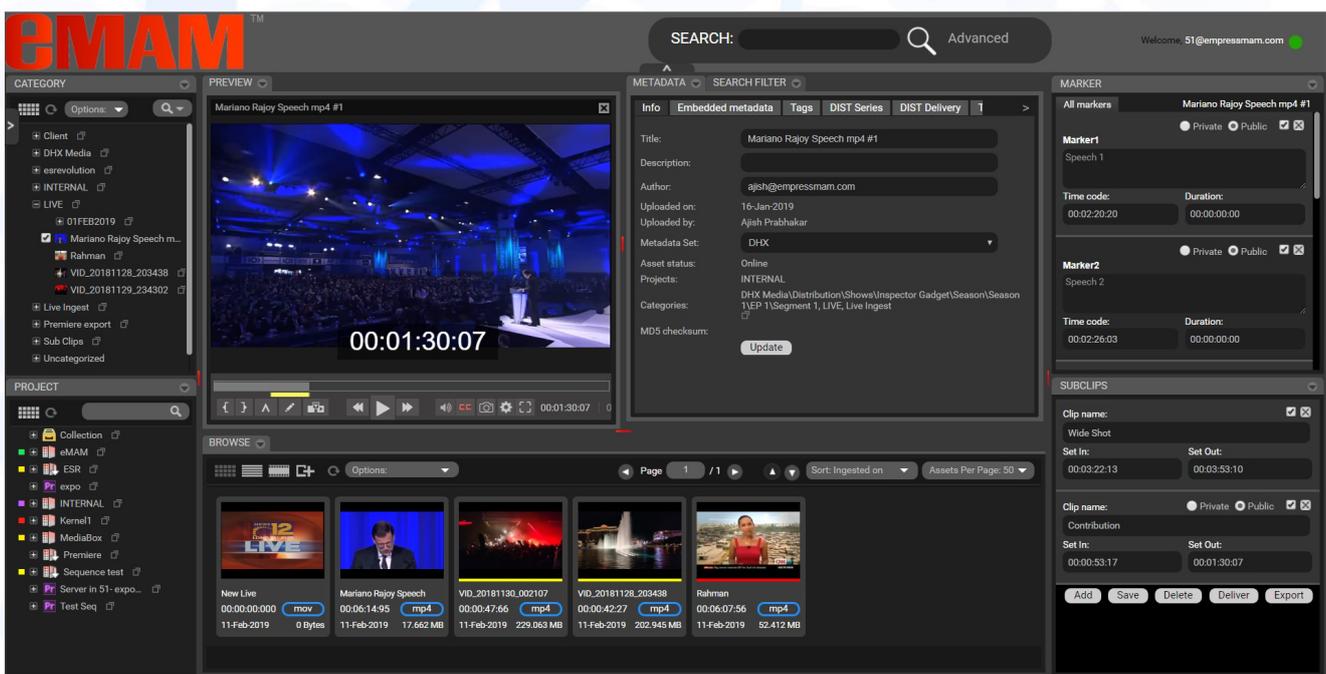
* Monitor the watch folders for incoming files.
* Automatically transcode the incoming source files and prepare web based proxy copies and other platform files.
* Index and move the source files and proxy files to connected storages.
* Deliver the content from managed storages to external locations.
* Restore (including partial) the files to connected disk storage.

Live Capture, Log, Edit and Deliver

Cloud and on-premise systems can capture live feeds, log, edit and deliver media during the capture process. Manage and edit live content from corporate to sporting events for immediate distribution of highlights to social media and VOD channels.

eMAM Ingest supports live capture from IP/SDI or VTR with tagging, clipping and converting files directly to NLE while doing editing. For Adobe workflows, this is often files in the OpenMXF standard with MPEG-2, AVCi, DNxHD and other editable codecs.

Multi Codec Ingest Profiles with Metadata, Sound Track, Sub Clips, Markers & Category assignment for each input channel.

Multi channel, multi standard 4K, HD and SD playback and capture, supporting QHD, HD-SDI, 3G, SDI and HDMI as well as network protocols including NDI, SMPTE 2022, and SMPTE 2110. Capture and playback multi formats like MXF, MOV, AVI, TS, MPG and codecs including uncompressed, XDCam, AVCi, ProRes, DNxHD, h.264, DVHD, and many more.

Manage Project

Assign Project Status with color codes.
Associate Projects with Categories and Storage Profiles.
Like any other asset, project assets can also be selected, dragged to a category, added to eBin, added to delivery, archived and downloaded.

Automatically do tasks like copying, moving, transcoding or deleting inactive files after a certain number of days, or once a certain condition is met. Content managed by eMAM can be moved to different storage and archive tiers automatically or manually for backup so organizations can optimize their storage use based on price and accessibility.

Users can export a project to an editor using XML export to Final Cut Pro or Adobe Premiere and other Creative Cloud apps. Premiere users can also use the built-in extension panel to directly access all eMAM projects, bins (subprojects), (sub)categories and sequences with markers.

Creating proxies

eMAM allows you to create proxy subclips of files, high resolution subclips or subclips in a different format, container and codec.

eMAM provides an online proxy library for all content accessible from any web browser or connected device. The library is one "pane of glass" for all content in all locations and systems.

Codec and Transcode

Support wide range codecs, which include all Sony and Panasonic codec:
* MXF Sony XDCamHD, XDCamEX 4:2:0/4:2:2 X
* MXF Sony HDCam SR 4:2:2 and 4:4:4
* MXF Panasonic-P2 DV25, DV50, DVHD, AVCi100

Almost all broadcast and post production formats are supported, including the latest camera raw formats. Files are automatically stitched together to provide single clips that include multiple video, audio and metadata files.

eMAM Transcoder can automatically create low resolution (or proxy) streaming files via local share, HTTP. Net-X-Proxy supports output to MP4, fragmented MP4, TS, M3U8/HLS and DASH formats, including multi bitrate outputs.

High speed transcoding allows users to make numerous formats as required and deliver to editing systems, playout servers, websites, mobile devices, and more.

Metadata

eMAM can have an unlimited number of custom metadata fields. User groups can be assigned relevant groups of metadata for their use. Public and private search filters can quickly find needed material. eMAM can maintain a disciplined metadata schema to all media can be found by mandating a minimum number of labels for all media, avoiding misspellings, and controlling taxonomy.

Third party metadata information can enter as XML. Users can also use the web interface to tag media after ingest. AI metadata is stored in the eMAM database and displayed in the transcript and insights widgets. Content and its metadata can be tagged at ingest from the eMAM feeder or from a purpose-built logging interface.

Metadata can also be entered after ingest from the web interface or can brought in by XML sidecars from other MAM solultions. Some metadata can be automatically tagged or batch imported.

Advanced Search

Simple and advanced search capabilities can be performed on a variety of search criteria using wild cards and Boolean logic. eMAM keeps information (metadata) for all content in the database, so users can find assets in near line storage, offline storage, storage in other locations, archive, or on physical media.

Advanced searches allow users to search based on a series of parameters, which can be saved for future searches as search filters. Marker searches allow users to search for markers made somewhere on an asset. Conditional searches and filters allow users to further narrow searches, which can be saved for personal or general reuse later. Users can search and preview media, organizing clips into projects from the web or tablet interfaces.

Support multicam

Preview and capture live feeds in player.
Single and Multi-Cam stream.
Log video live-sub clips and markers.

Collaboration tools

Support NLE intergration
* Adobe Premiere Pro, After Effects, Photoshop, Illustrator, InDesign, Media Encoder
* Apple-Final Cut Pro
* Avid-Media Composer
* Marquis Medway
* and many other NLE

The eMAM panel integration allows Premiere and other NLEs users to ingest content using Media Browser. Users can drag and drop or import local media, adding them to a project, folder bin, and sequences timeline.

Subclip

This feature puts start (mark in) and stop (mark out) points along the length of a video. This can be used to send information to an editor as an Edit Decision List (EDL) or can be used to generate a new version of a video asset (subclip), made of only the marked parts for delivery to the required destination in the needed format.

Users can drag any number of assets, subclips together to make an editing timeline/storyboard, preview timeline and share with Premiere Pro or Final Cut Pro editors for craft editing.

FACILIS TECHNOLOGY SHARED STORAGE SYSTEMS

- Chassis 16 to 24 HDDs hot swap on 12GB SAS controllers

- Available Capacities: 32TB to 448TB per server; usable and protected capacities 26TB to 380TB

- Motherboard supports 4 to 12 cores CPU

- Memory: 32GB to 128GB DDR4 ECC RDIMM per server

- Base Unit Connectivity: Dual port 1Gb; Dual port 10Gb/Single 40Gb Ethernet or Dual 8/16Gb Fibre Channel

- System OS Drive(s): Standalone, mirrored or cold spare with Win 64 bit

- Server/Client OS: Server - Win 64bit; Clients - Win 7/8/10, Mac OS 10.7-10.11, Linux 2.6.18+ RHEL/SUSE/CentOS

- IPMI fencing and PDU fencing supported

- Drive Failure Protection: DynaRAID dynamic, selectable protection including RAID1, 5, 6

- Server Redundancy: Synchronization between server chassis and RAID5+1 Mirroring for consistent data availability

- Hot-swappable Power Supplies, Fans, Media and OS drives

Stay ahead of the curve