





















Production MAM that expands creativity and collaboration













Offload your workload

Media Compliance for ALL

POWERFUL SINGLE PASS INSPECTION

READY-MADE AS-11 DPP TEMPLATES

SMPTE *** CIPP®
digital production partnership

LEARN THE BUSINESS BENEFITS OF IMF



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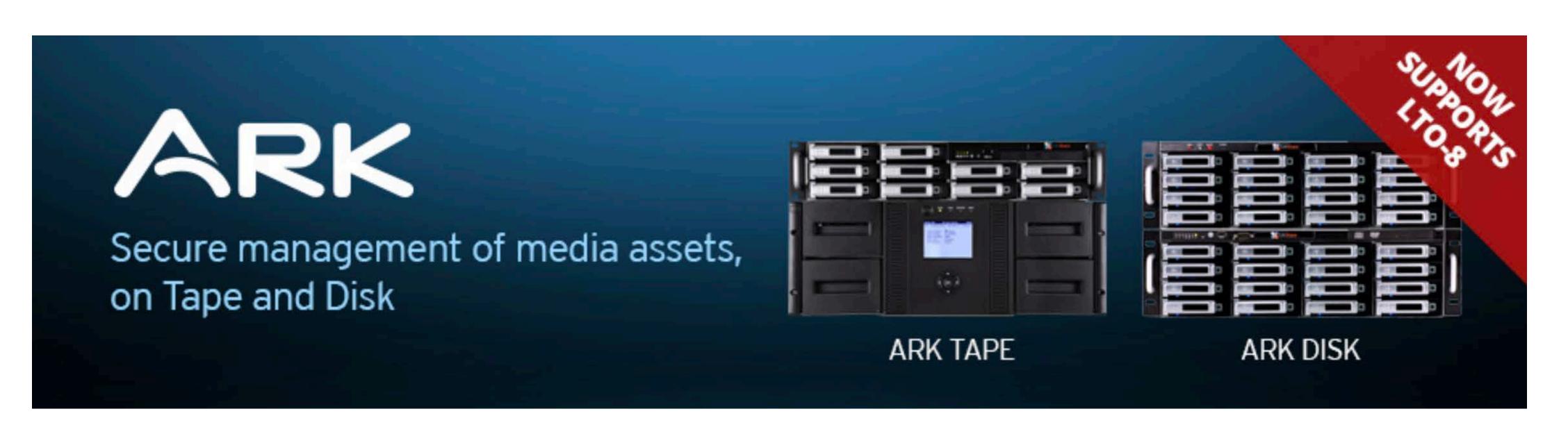


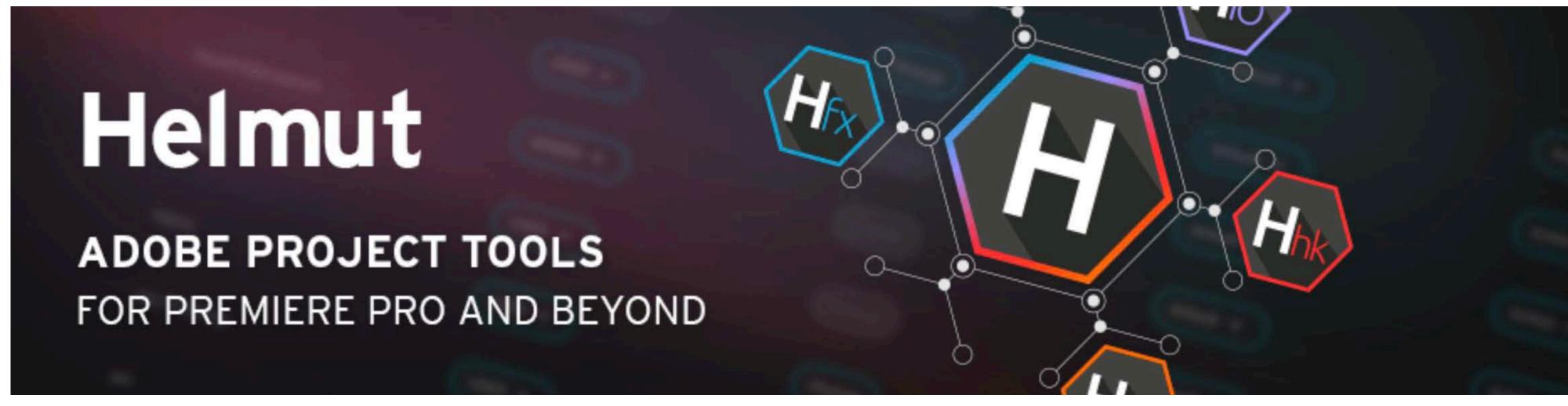
Next-generation media servers for Ingest and Playout

Faster CPU and RAM • Up to 8 streams of AVC-Intra in 1080i using Geevs 4/4+ model • Compact 2RU chassis 2 x 10GBASE-T copper 10G network ports (standard) • 6 x caddy media drives for local storage (RAID 6)











Data Security in Production Environments



Content Creators vs IT department





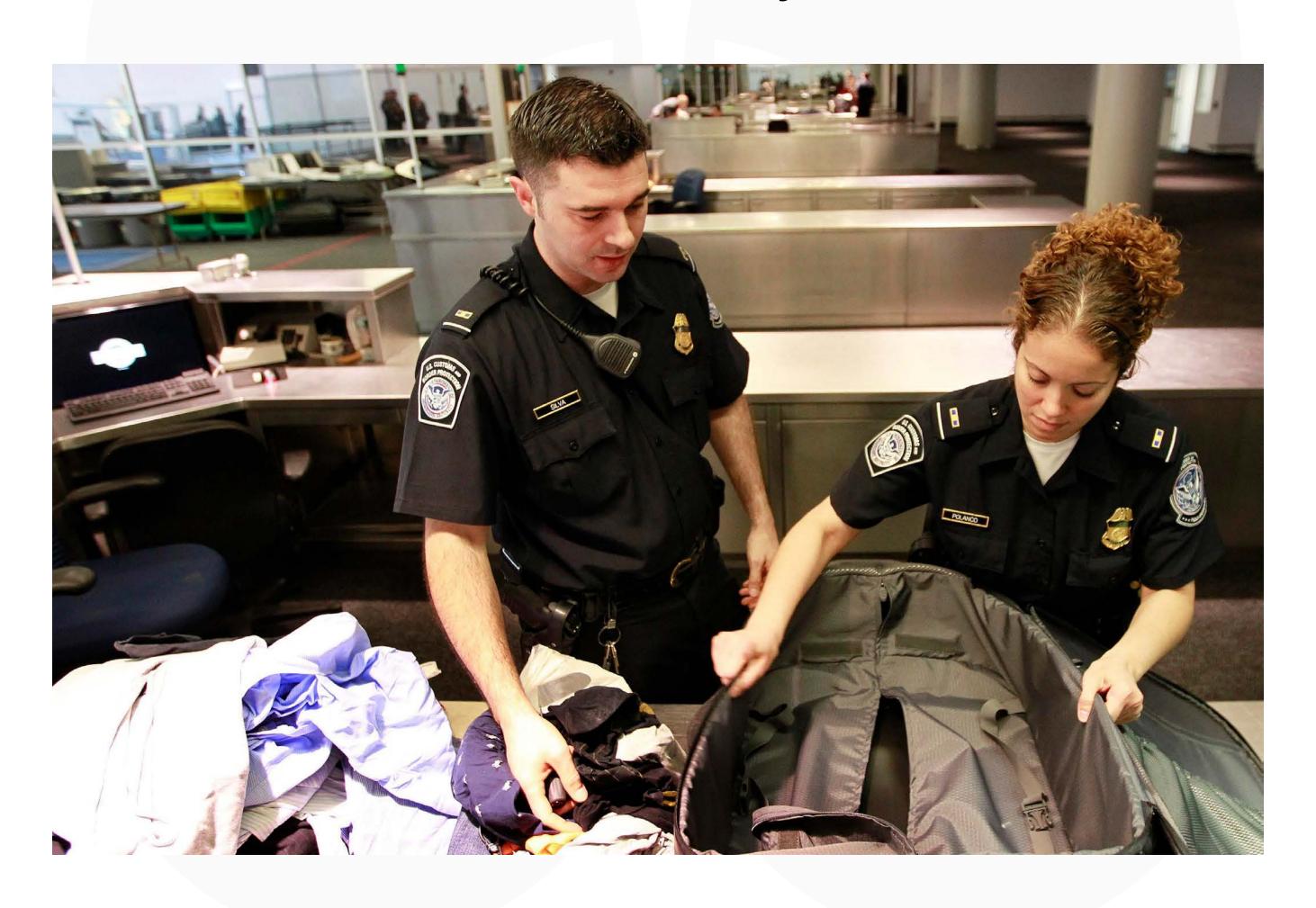
What Content Creators Want

- High performance
- Flexibility for sharing, collaboration, and remote access



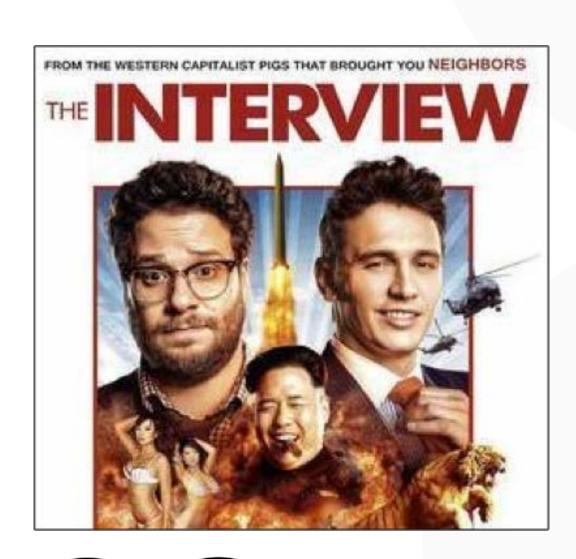
What Content Creators Want

Nothing should slow down the delivery of data or restrict access

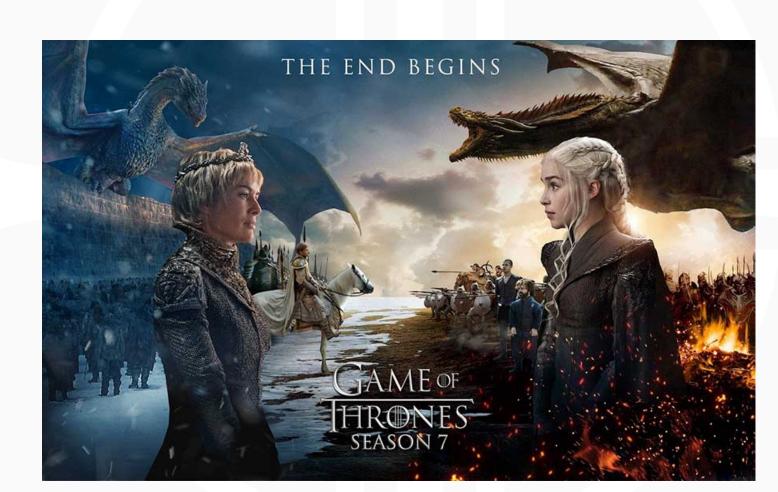


What the IT department (doesn't) want

IT's job is to make sure the system isn't hacked or accessed by unauthorized people



SONY PICTURES

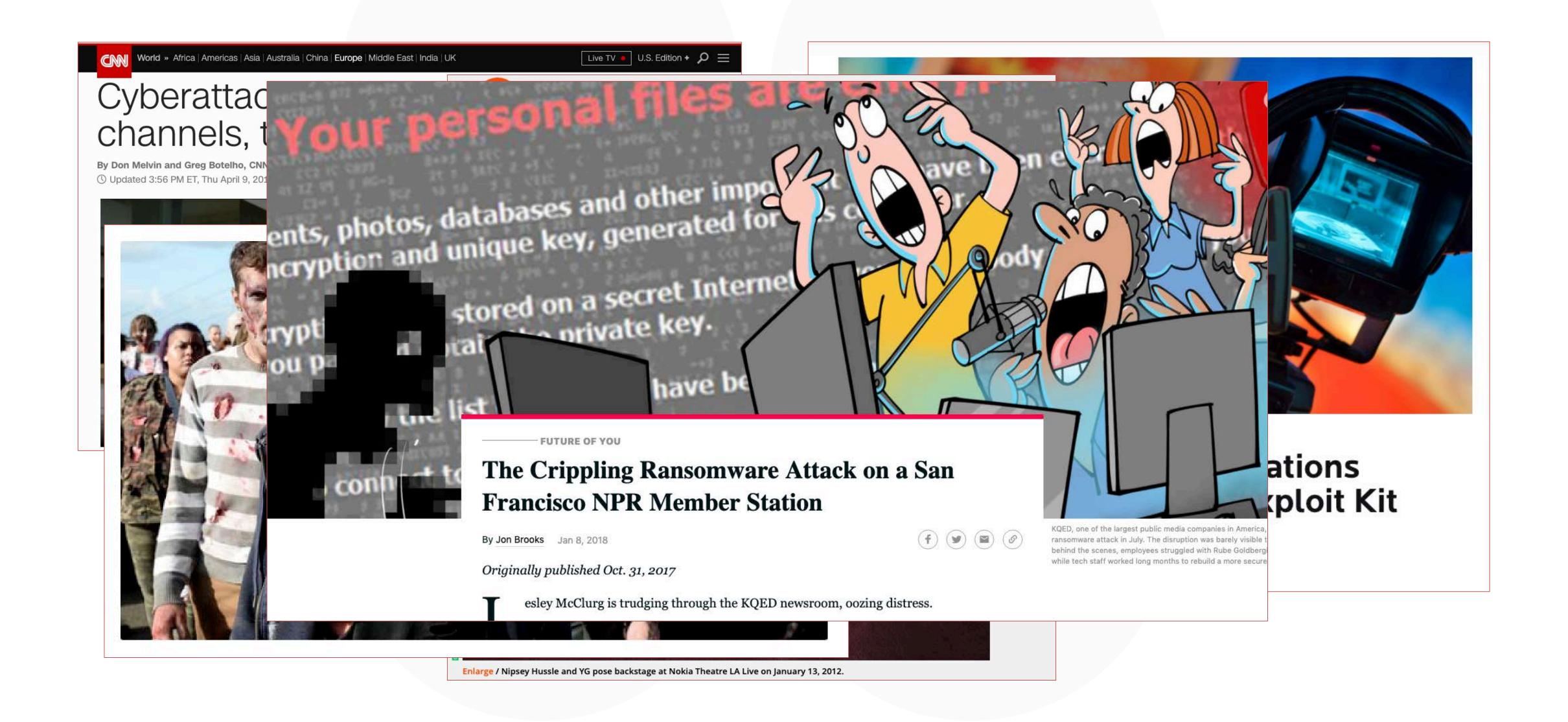








What the IT department (doesn't) want



The Challenge



- In the past, editing computers and production storage were typically located on an island
- Internet access -> separate computers
- Today, people need to move content in/out of production over the Internet, accessing cloud archives, difficult to have isolated storage and workstations





The IT Response



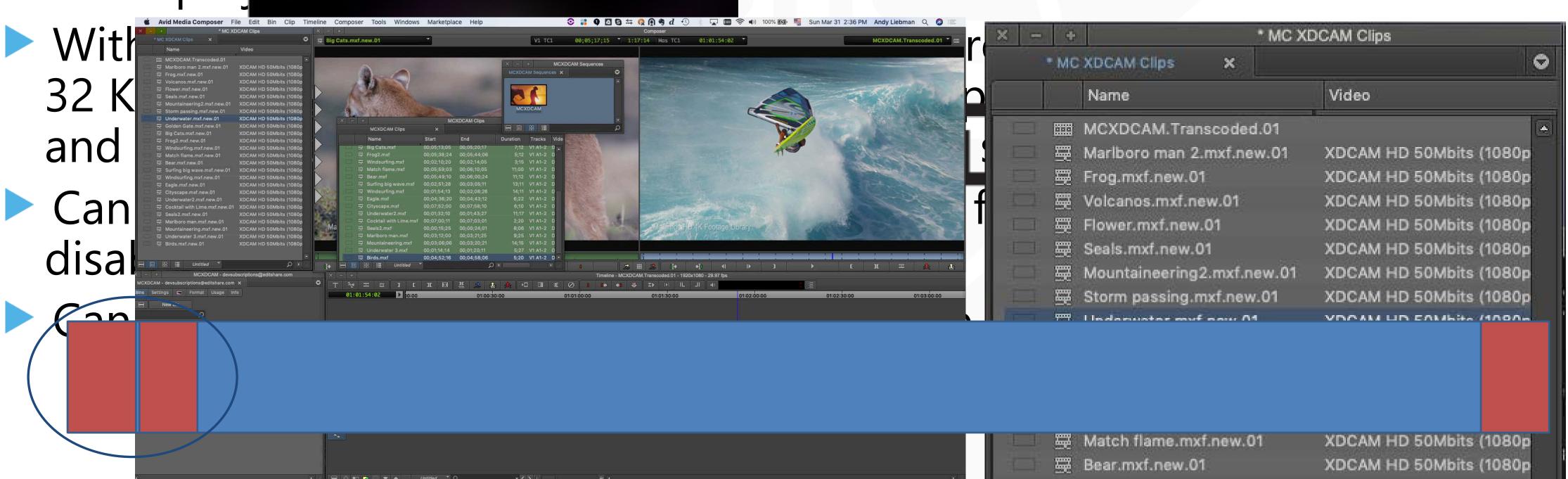
- Complain about systems with any CVSS (Common Vulnerability Scoring System) vulnerabilities
- Run as few services as possible
- Whitelist IP addresses for controlling access
- Run antivirus and anti-malware software on servers and workstations
- Does tightening everything up work in production?





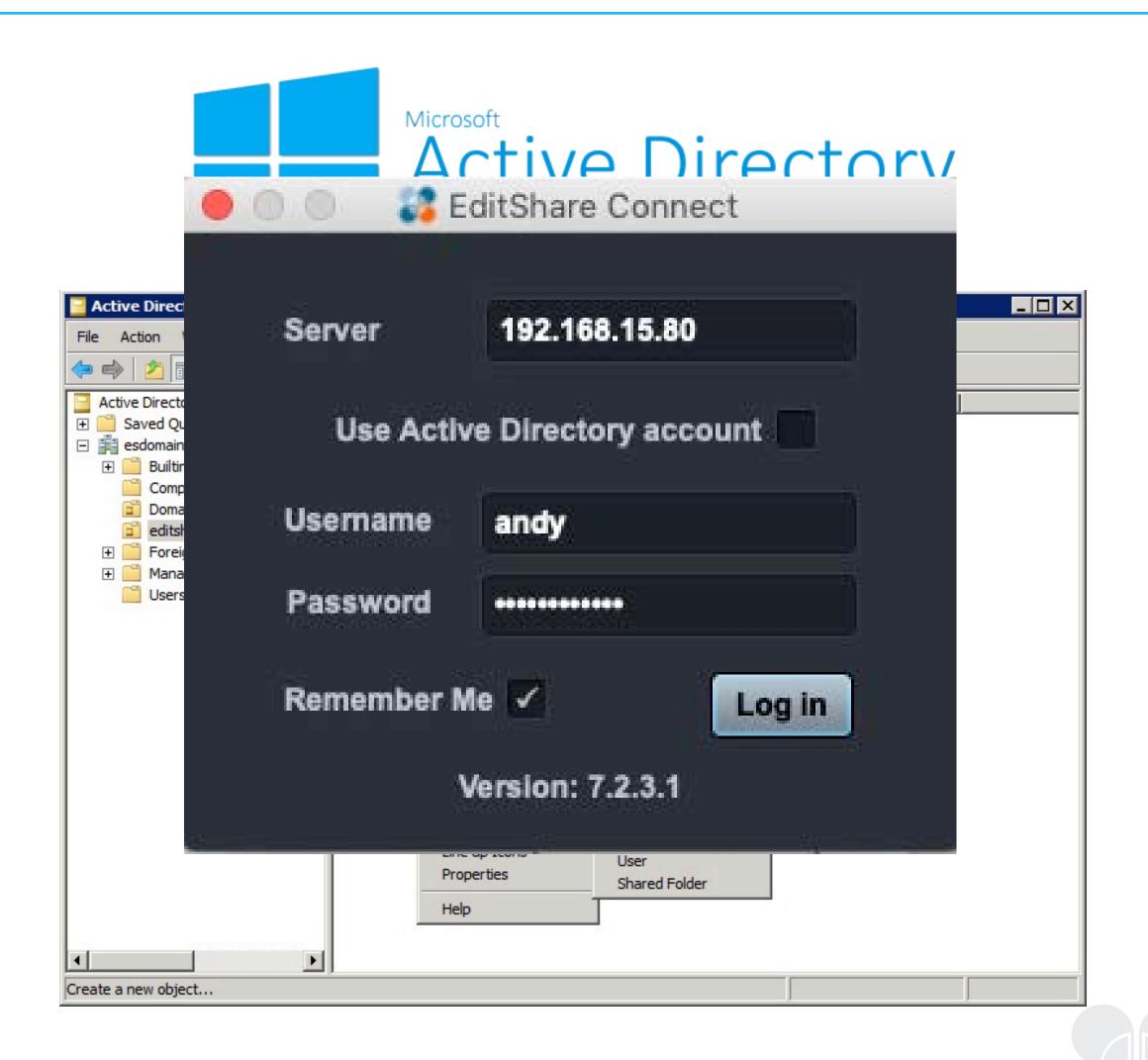
Windows Defender Tale

- Avid Media Composer projects based on LongGOP media like XDCAM
- When you launch an existing project, Avid opens all of the bins and sequences that were open last time you closed the project
- Avid read in the pro



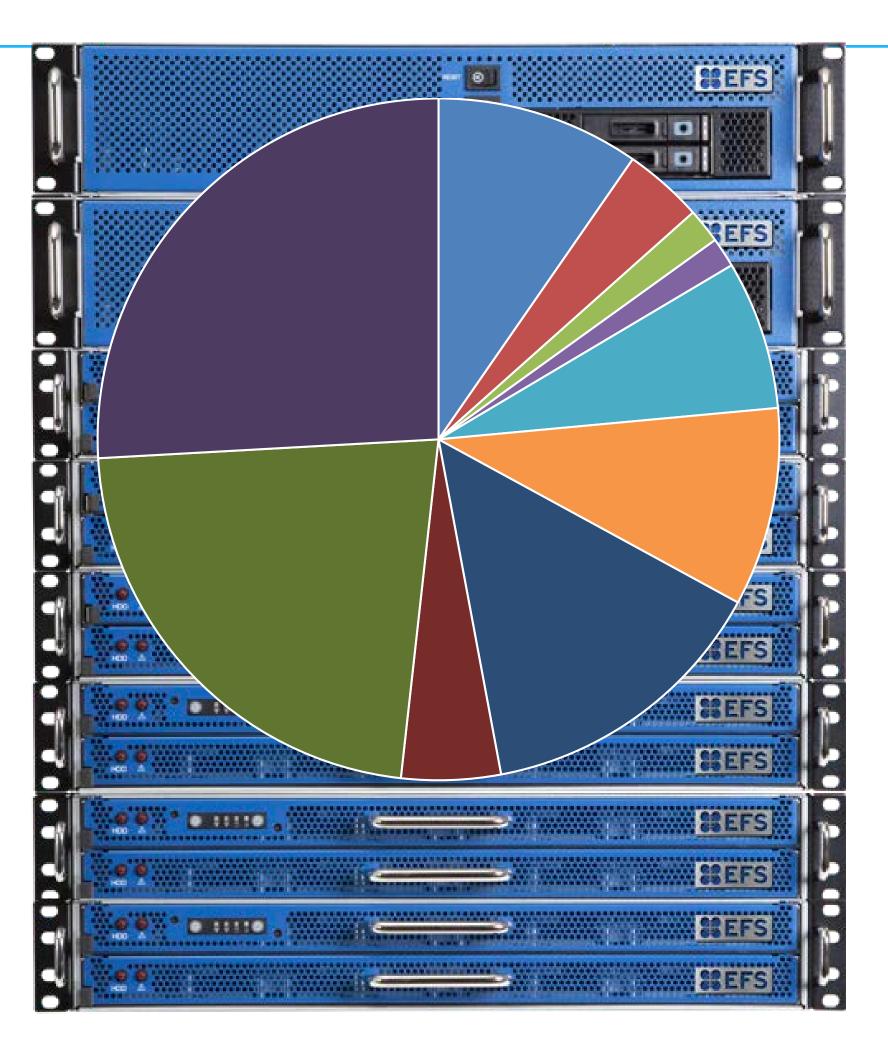
Good User and Password Management

- If a username and password is required to access storage, this is the first line of protection
- Active Directory integration
- Enforce good password policies
- Single Sign On



Virtual Spaces: Simple Permissions Moder EditShare Intelligent storage & media management

- Divide storage into Spaces for different projects or departments.
- Each space has its own rules about who can access or not, read write or read only
- Easy, but not fine-grained enough for everybody

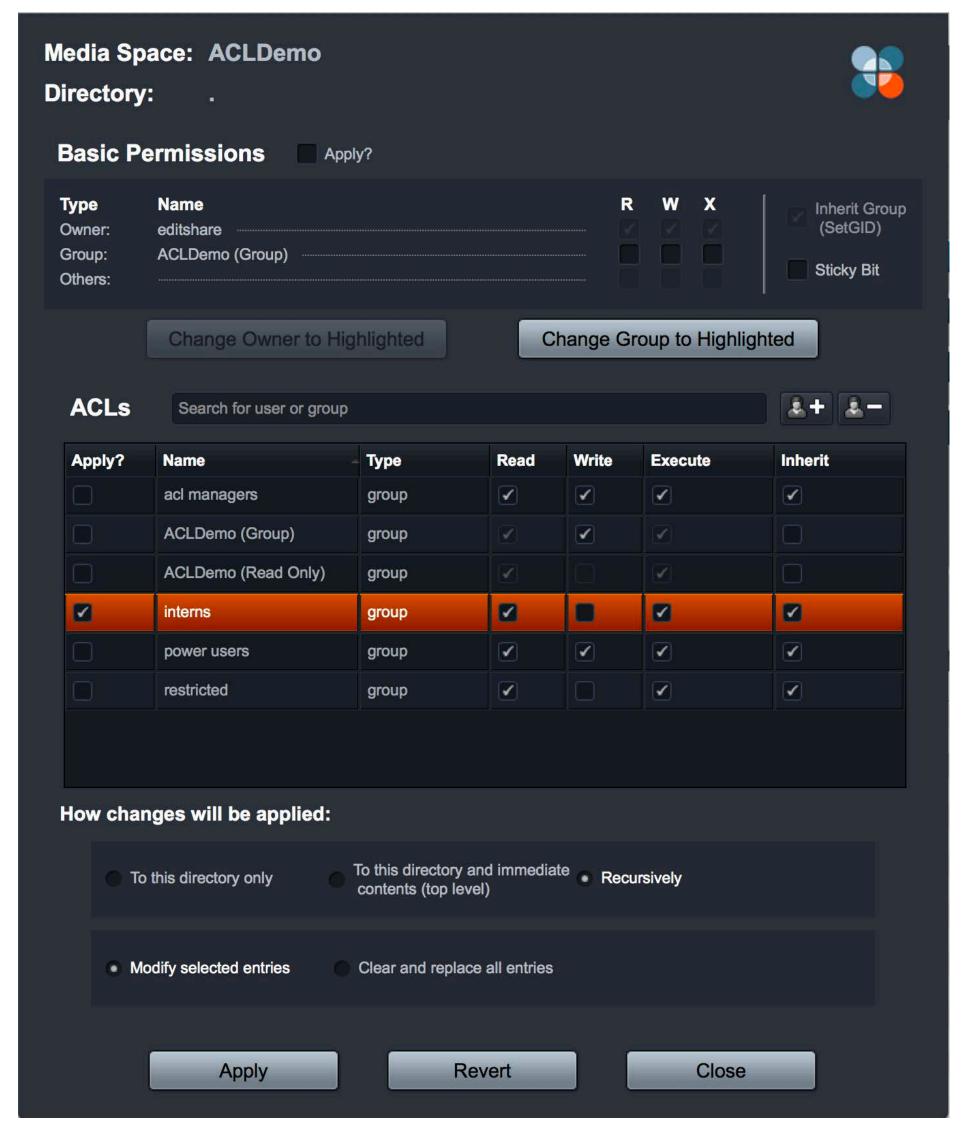








- Access Control Lists
- Fine-grained control over who can access each directory or file, and whether they have read-write or read-only access







An Inside Job!

Most Security Breaches Come from those with Permissions to See Content



Auditing Deterrent



Who did what, to which files

Track creation, deletion, reads, writes, renaming, moving, etc.

Filter by IP Address, User, type

EFS Event Type

Select...

create

delete

list-dir

mount

read-file

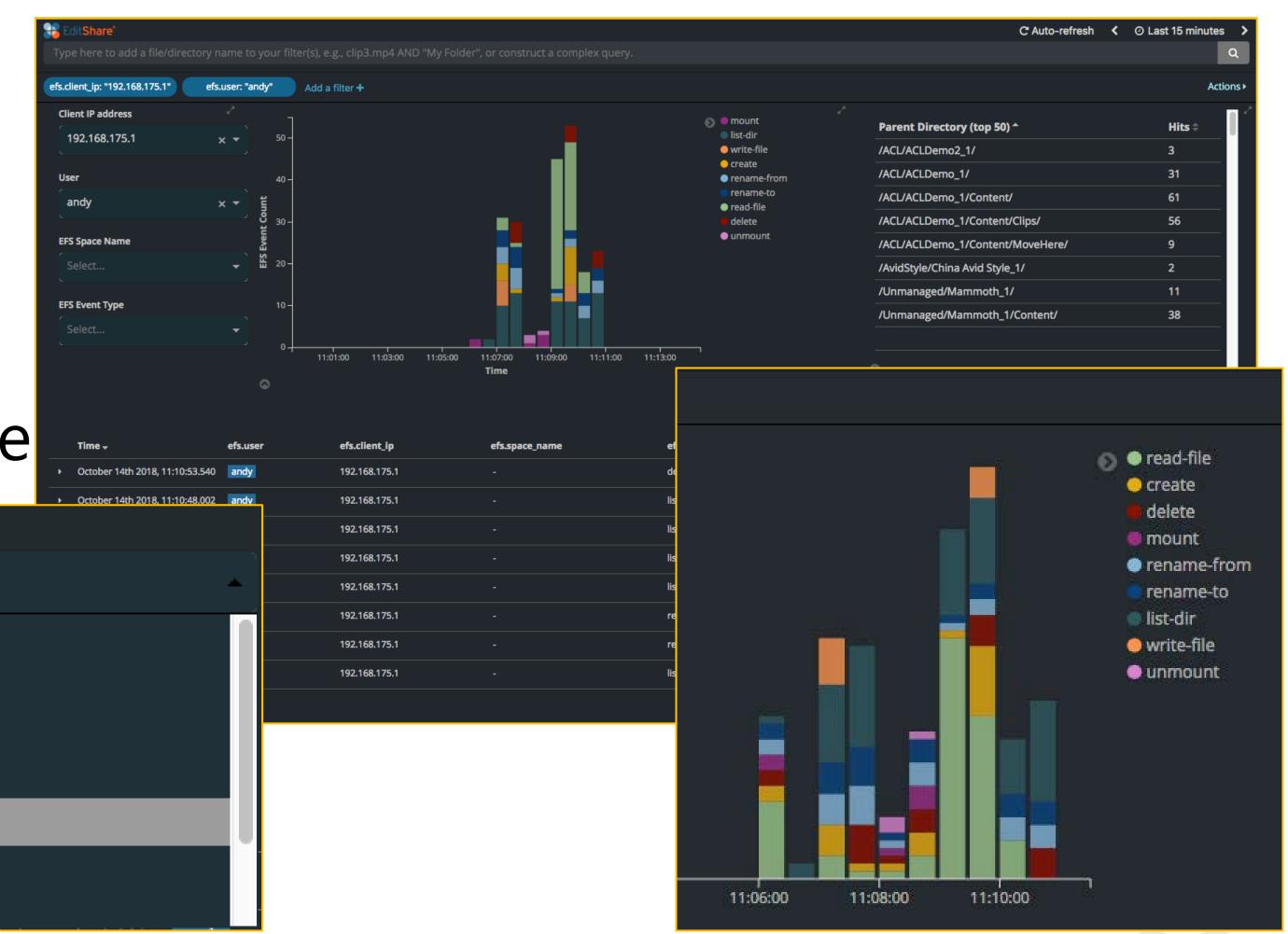
rename-from

rename-to

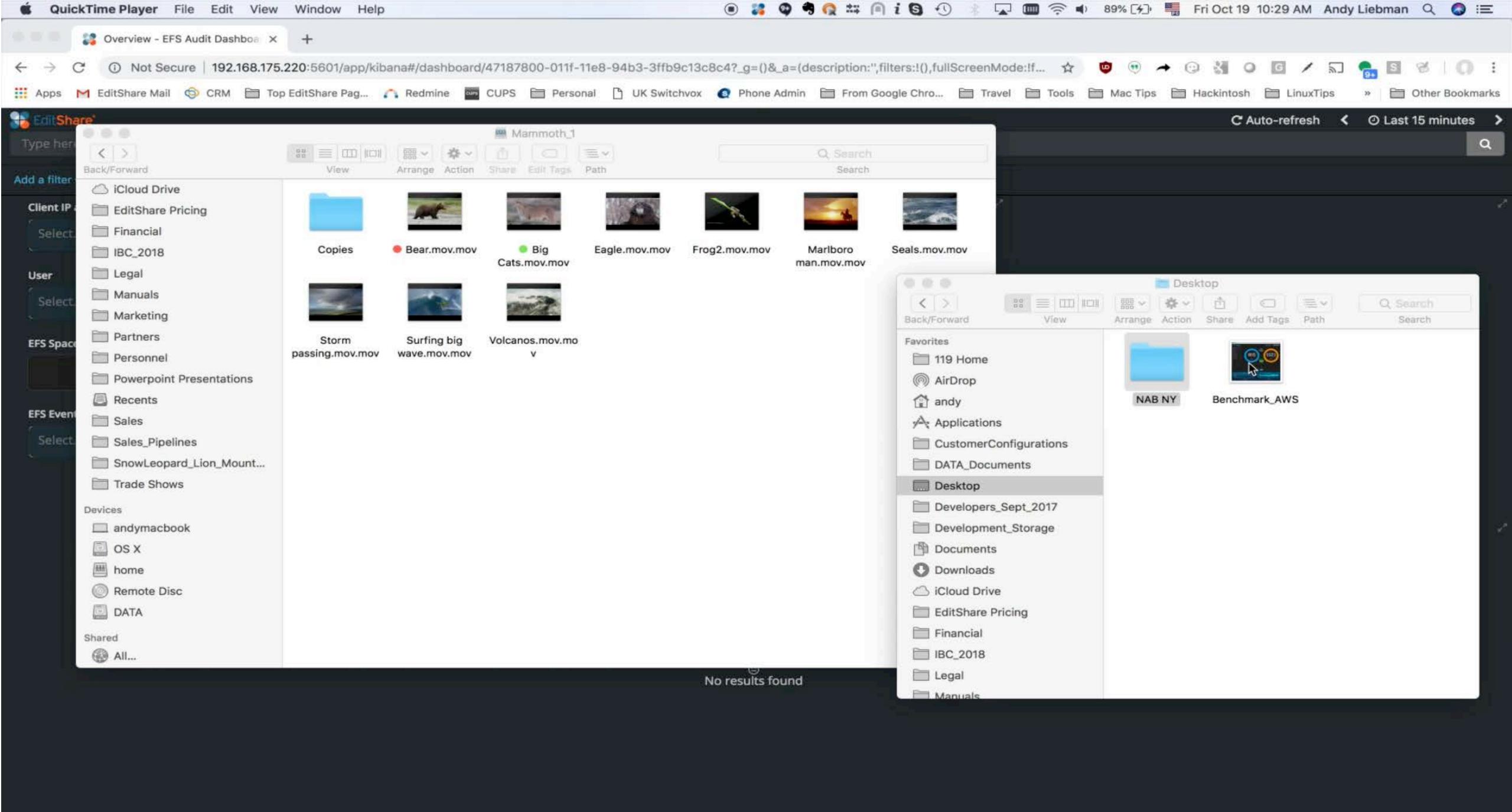
of action

Search by file name

Want this to not have any impact on performance







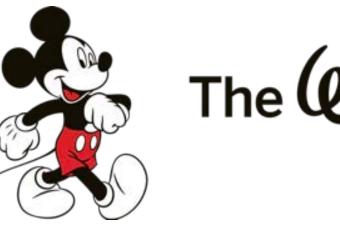
Compliance with Emerging Industry Standards EditShare Inclined to the Inclined

- Digital Production Partnership (DPP)
- Motion Picture Association of America (MPAA)
- European Broadcasting Union (EBU)
- Studios like Disney, Marvel
- Many media companies soon won't be buying from vendors who don't meet security requirements

















- IT departments and content creators need to be sensitive to the challenges that each side has
- There are measures that can be taken that provide security and that don't make production impossible
 - Password management
 - Limit access to the content people need to see
 - Have auditing that can act as a deterrent to ensure that people who do bad things with content will get caught



Thank You



