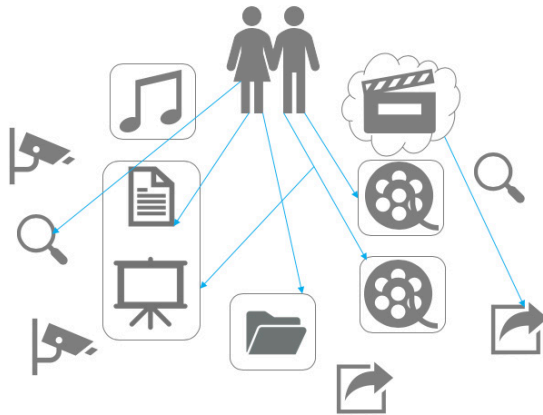# MEDIASCALEX AND THE FILE FABRIC
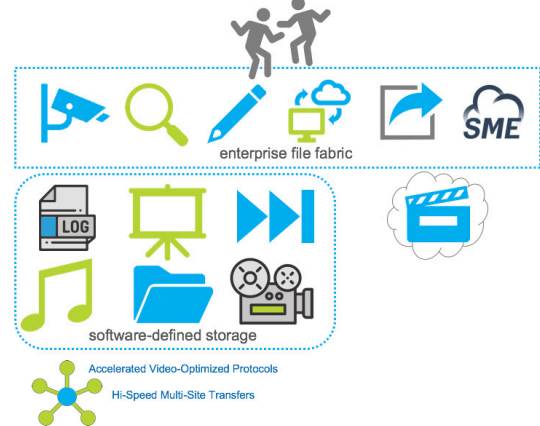
Absolutely Fast and Fabulous

BEFORE

Hard to locate information across a plethora of data silos and painfully slow to move large file sets.
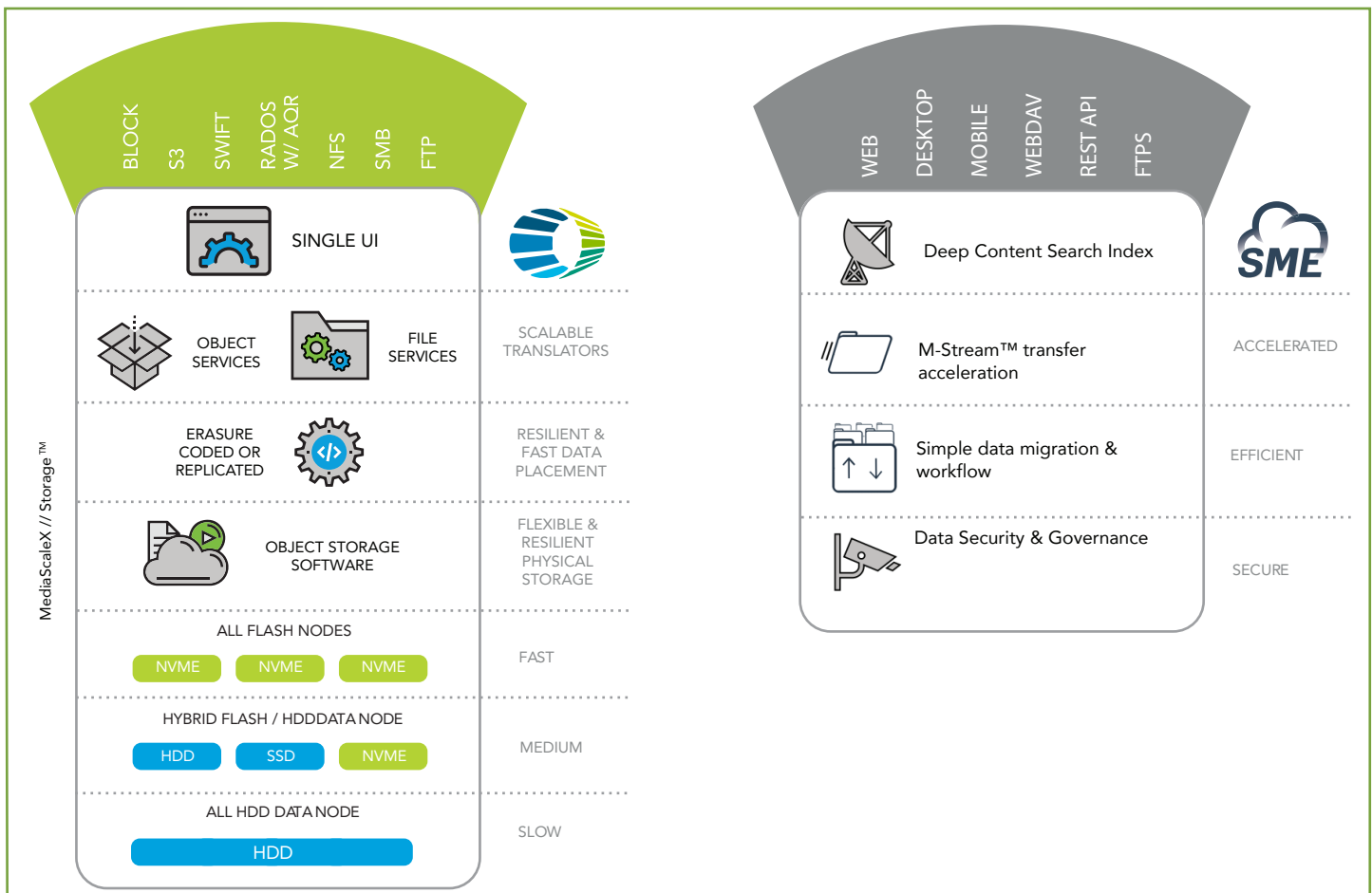
AFTER

Durable, scalable, low cost, storage. Searchable, immediately accessible content across on-premise and cloud.

enterprise file fabric

software-defined storage

Accelerated Video-Optimized Protocols

Hi-Speed Multi-Site Transfers

Solution Architecture

MediaScaleX // Storage ™

BLOCK / S3 / SWIFT / RADOS W/ AQR / NFS / SMB / FTP		
SINGLE UI		
OBJECT SERVICES	FILE SERVICES	SCALABLE TRANSLATORS
ERASURE CODED OR REPLICATED		RESILIENT & FAST DATA PLACEMENT
OBJECT STORAGE SOFTWARE		FLEXIBLE & RESILIENT PHYSICAL STORAGE
ALL FLASH NODES		FAST
NVME	NVME	NVME
HYBRID FLASH / HDD DATA NODE		MEDIUM
HDD	SSD	NVME
ALL HDD DATA NODE		SLOW
HDD		

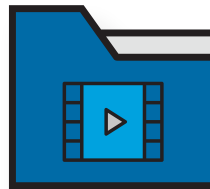| WEB / DESKTOP / MOBILE / WEBDAV / REST API / FTPS	
Deep Content Search Index	SME
M-Stream™ transfer acceleration	ACCELERATED
Simple data migration & workflow	EFFICIENT
Data Security & Governance	SECURE

Use Case #1:
Online Media Archive with Content Search

CHALLENGE

Companies have huge potential in their media archives. Yet it can take days to locate and download assets across tape archives or on siloed filers in any number of departments and data centers.

SOLUTION

Media optimized software-defined storage from Concurrent consolidates filers and tape archives, providing scalability and accessibility while reducing IT costs. With the File Fabric from Storage Made Easy organizations are able to quickly find and access media assets through deep content index of all on premise and cloud data.

Content Index

- Content and metadata extract for dozens of file formats
- Facial & object recognition (Machine Learning)
- Audio transcription
- Unlimited custom metadata (NoSQL)

Automate

- Pre-set workflows based on content/metadata

Secure

- Search only returns authorized content
- Scan for viruses
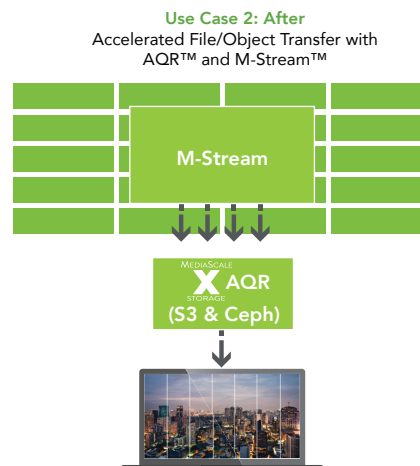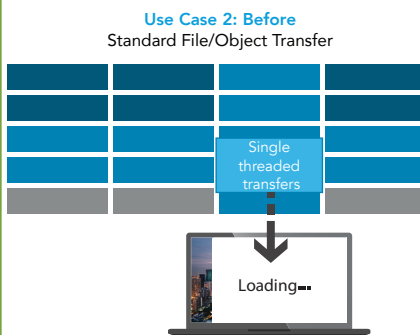- Immutable objects including metadata
- Erasure coding and self healing

Use Case #2:
Accelerated Data Movement

PROBLEM

It can take days to stage or process large files or large numbers of files for distribution or processing.

SOLUTION

The AQR-enabled File Fabric is optimized for the processing of large files supporting on demand access for user workflows by accelerating the transfer of large files (150 GB+).

Geographic dispersion of Data Centres

- Content Tiering from on-prem to cloud
- Provide fast content access to dispersed media operations

Faster Ingest, Transfers

- Streams large files in parallel streams
- Not metered or proprietary (unlike Aspera, Signiant, File Catalyst)
- Remove IO bottlenecks for Ceph & S3
- Video optimized object protocol (AQR)

Access Control

- AD/LDAP integration
- Add fine-grained access control to any storage

Use Case 2: Before
Standard File/Object Transfer

Single threaded transfers

Loading

Use Case 2: After
Accelerated File/Object Transfer with AQR™ and M-Stream™

M-Stream

MEDIASCALE
X AQR
STORAGE
(S3 & Ceph)