CONCURRENT
a Vecima company

MediaScaleX // CACHE™ *Product Brief*

Optimized Caching Of ABR IP + RTSP Content Delivery Services

MediaScaleX // CACHE™
AT-A-GLANCE

- Cache and Deliver RTSP ABR IP-HLS, HSS, MPEG-DASH formats on the same HTTP Cache
- Highly flexible, Next Generation Apache Traffic Server Architecture
- Next-Gen Request Router offers enhanced Session Resiliency & Load Balancing
- Built to support software only deployments
- Hardware assisted HTTPS enables high-performance data protection
- Common hardware configuration offers compatibility with virtual machines and bare metal
- Bring Your Own Hardware (BYOH) Model
- Line rate throughput supported with HTTPS
- Comprehensive configuration, management, monitoring, and analytics

MediaScaleX // CACHE™

MEDIASCALEX FOR CDN PLATFORMS

Concurrent's MediaScaleX // CACHE™ supports IP streaming services on our highly flexible next generation architecture. The solution supports caching for VOD and Live IP Adaptive Bitrate Streaming including: Origin Shield Cache, and Intermediate Cache.

OPTIMIZED CONTENT DELIVERY

Caching and streaming of ABR IP formatted content. Supports HLS, HSS, & MPEG-DASH for live streaming and VOD assets.

Seamless mid-level cache for upstream media servers and downstream enabled HTTP enables devices. Hardware assisted HTTPS for data protection. Full delivery IO supported for Both HTTP & HTTPS.

THE BEST USER EXPERIENCE

Reduces network traffic costs generated by ABR IP video delivery. Additional reductions in network traffic and latency improves the overall cache efficiency created the best quality for the viewer.

APACHE TRAFFIC SERVER CACHE ENGINE

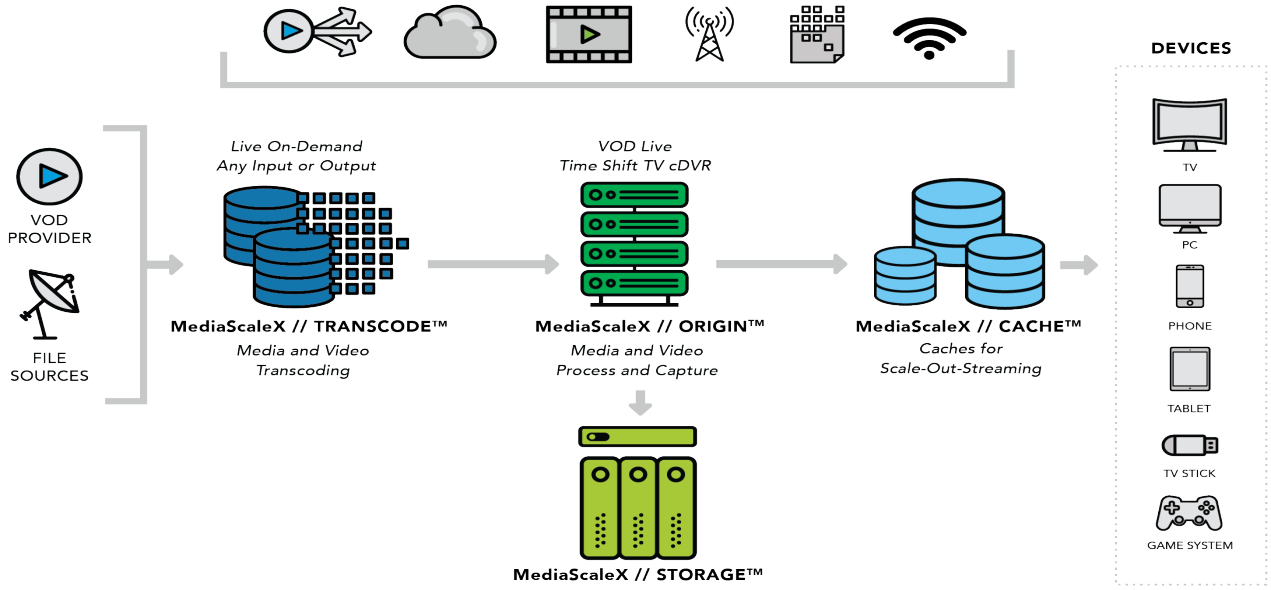
Concurrent's MediaScaleX // CACHE™ is built on the Apache Traffic Server caching engine. On top of ATS, we have built a robust set of plugins and services that enhances the capabilities. Our solution paired with ATS is fast, extensible, and is proven to work at scale.

BRING YOUR OWN HARDWARE

Bring your own hardware as MediaScaleX // CACHE™ supports bare metal, virtual machines, and container deployment for installation in a data center or cloud.

FLEXIBLE DEPLOYMENT

Support for multiple deployment use cases including Origin Shield Cache, Mid-Level Cache, IP Cache, and Extended Level 2 Cache.



SPECIFICATIONS

SYSTEM REQUIREMENTS

SERVER
- Dell R630 / R730XD / R720 / R720XD

PROCESSOR
- Dual E5-2620 v4 8 core CPUs 3.0 GHz

MEMORY
- 128 GB 2400 MHz DDR4

CACHE
- 1RU: up to 6 SSDs
- 2RU: up to 24 SSDs

NETWORK
- 1RU: Up to four 10G connections
- 2RU: Up to six 10G connections

NETWORK INTERFACE CARD
- 1-2 Intel Pro/1000 Quad Gigabit or
- B) 1-2-3 Dual-Port Myricom Myri10GE
- 10-Gigabit Ethernet Interface Cards

SOFTWARE
- yumadmin 2.0.1. on the Yum Server

HARDWARE
- Customer Bare Hardware: HP, IBM
- CCUR Qualified Hardware: Dell

KEY FEATURES

- HTTP Caching
- IP Delivery
- Next Generation Request Routing
- Service-Based Architecture
- HTTP / HTTPS: TLS Encryption
- Video Encoding: H.264 MPEG-4/AVC

SUPPORTED PLUGINS
- ATC Cache Services
- Request Router
- Session Plugin
- Flight Service
- CCUR ABR Formats

DEPLOYMENT OPTIONS
CONTAINER
- Cloud: Docker
- Local: Kubernetes

VIRTUAL MACHINE
- Cloud: VMWare

SESSION RESILIENCY
- OPTIMAL
- DASH: Alternative Based URLs
- HLS: Redundant Streams

BASIC
- No Additional Requirements