

MediaScale™ Cache AT-A-GLANCE

- Cache and Deliver IP ABR - HLS MPEG-DASH and HSS, as well as QAM Video - UDP/RTSP formats
- Highly flexible, Next Generation Apache Traffic Server Architecture
- Next-Gen Request Router offers enhanced Session Resiliency & Load Balancing
- Multi-tenant support with SVA Open Caching
- Built to support software only deployments
- 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

MEDIASCALE FOR CDN PLATFORMS

MediaScale™ Cache supports IP streaming services on our highly flexible next generation architecture. The solution supports caching for VOD and Live IP Adaptive Bitrate Streaming for edge delivery, multi-tier intermediate caching, and Origin Shield Cache functionality.

OPTIMIZED CONTENT DELIVERY

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

Seamless mid-level cache for upstream media servers and downstream caches for HTTP-enabled 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 creating the best quality for the viewer.

APACHE TRAFFIC SERVER CACHE ENGINE

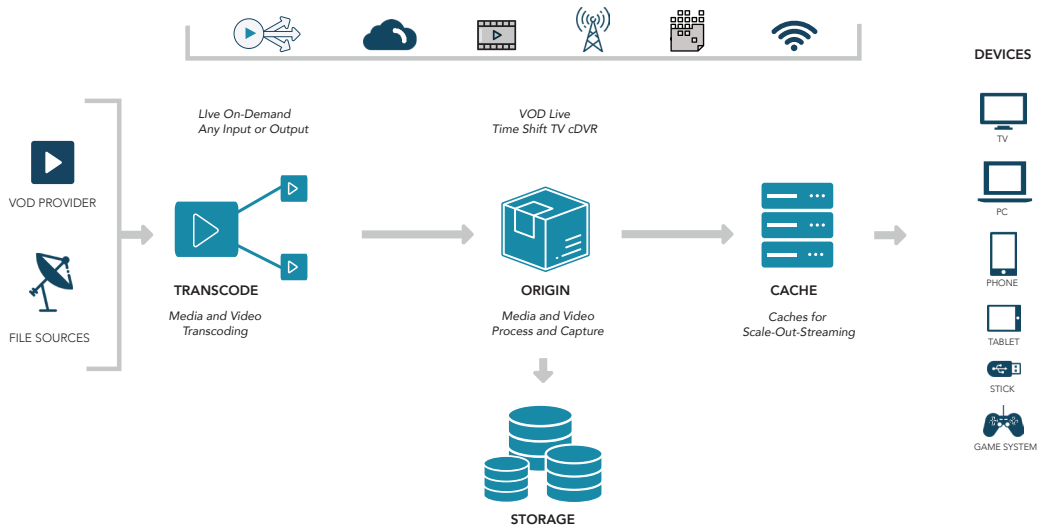
MediaScale™ Cache is built on the Apache Traffic Server caching engine. On top of ATS, we have built a robust set of plugins and services that enhances the capabilities. Our solution paired with ATS is fast, extensible, and is proven to work at scale.

BRING YOUR OWN HARDWARE

Bring your own hardware as MediaScale 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 RECOMMENDATIONS

PROCESSOR

- AMD EYPC 7402 or equivalent

MEMORY

- 128 GB 2400 MHz DDR4

CACHE

- 3-35 TB of Cache Storage
- NVME or SDD drives

NETWORK

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

NETWORK INTERFACE CARD

- 2x or more NICs for redundancy
- 2x or more 10/25/40/100G Interface
- Copper or Fiber

HARDWARE

- Customer Bare Hardware: HP, Dell, Lenovo
- Vecima Qualified Hardware: SuperMicro, Dell

KEY FEATURES

- HTTP Caching
- IP Delivery
- Next Generation Request Routing
- Service-Based Architecture
- HTTP / HTTPS: TLS Encryption
- HLS and MPEG-DASH

SUPPORTED PLUGINS

- ATC Cache Services
- Request Router
- Session Plugin
- Flight Service

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