



AltitudeCDN™
OmniCache™
ALT-OCS

VIDEO STREAMING with 90% less bandwidth consumption

The most impactful and cost-effective way to reach large enterprise audiences is through streaming video, whether live webcasting or on demand. But streaming video to hundreds or thousands of people on the corporate network consumes significant bandwidth, putting mission critical applications at risk and compromising the quality of video that reaches viewers.

The best way to reduce the amount of video traversing the corporate network is to move the video source closer to the viewers. The less distance the video has to travel, the less bandwidth it consumes. Caching of web content has been used in enterprises for a long time for network optimization, better response, and improved performance for users. This same concept is now being applied to video streaming to achieve similar benefits.

LIVE • VOD • MOBILE DEVICES • NO CLIENT SOFTWARE • VIDEO PRE-POSITIONING

Live and on-demand enterprise video distribution in a single, cost-effective solution

OmniCache is an advanced video caching solution that replaces expensive infrastructure upgrades with a lower cost, flexible solution. This lightweight software-only solution runs on your existing infrastructure and supports all streaming protocols including HLS, DASH, HDS and Smooth Streaming. Because OmniCache supports both live and on-demand video, it becomes the only streaming distribution infrastructure you need in your enterprise.



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Phone: 857-202-3500

Email: info@ramp.com



AltitudeCDN™ OmniCache™

Technology Neutral

Lightweight, software solution requires no proprietary hardware or expensive network upgrades

Supports all pseudo-HTTP streaming protocols, including HLS, DASH, HDS, Flash and Smooth Streaming, and progressive download of MP4 files

Simultaneously supports all live and on-demand video streaming platforms used throughout the organization

Runs in a virtual environment on your existing infrastructure

Enterprise-Grade Security

Deployed 100% behind the firewall

Manages video distribution at the network layer

Maintains security policies to protect against viruses and data breaches

Full compliance with NSA-adopted NIST Suite B Cryptography, protecting data in transit and at rest

Supports video streaming over HTTPS

Robust Management

Centralized licensing, configuration and management using Altimeter

Configurable as either a forward or reverse proxy server

Deployable as a self-discoverable, self-healing mesh

Advanced cache routing using flexible pattern matching algorithms, including regular and nested expressions

Pre-positioning of video on demand

SNMP support to extend network infrastructure monitoring to enterprise video

TECHNICAL SPECIFICATIONS

OmniCache ALT-OCS

MINIMUM REQUIREMENTS *OmniCache senders run on a server*

Operating System	Linux – version 3.3.1 or later Windows Server 2012 or later
CPU	4 core CPU, 2.5 GHz
Memory	8 GB RAM
Disk	60 GB fast disk storage (minimum, 250 GB+ local SSD recommended)
Network Interface Card	1GB NIC
Software	Oracle Java 64-bit 1.9+ (for Linux & Windows) Microsoft Visual C++ 2010 (for Windows)
Video Formats	Live and video on demand Any pseudo-HTTP streaming protocol, including HLS, DASH, HDS, Flash, Smooth Streaming
Transport Protocol	HTTP, HTTPS



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