RAMP OMNICACHE™
Intelligent video caching for live and VOD

Whether you’re using Kaltura for company broadcasts, internal communications or employee onboarding and training, streaming video on your corporate network can cause congestion that leads to a poor viewing experience. Ramp AltitudeCDN™ is a suite of software solutions for optimizing video traffic on enterprise networks.

AltitudeCDN™ OmniCache™ is an intelligent video caching solution that reduces bandwidth consumption by 90% or more. When local caches serve video to nearby audiences, you drastically reduce the number of video requests across your internet connections and WAN links.

Your audience enjoys a flawless viewing experience—faster start times with no buffering or jitter. And you protect your network without deploying any proprietary software or browser plugins to the viewing devices.

HOW OMNICACHE WORKS WITH KALTURA

The key to an exceptional video experience is eliminating latency. OmniCache is designed specifically for storing and redistributing this type of media. The caching software is deployed on your servers placed in strategic locations around your network, such as the edge of the enterprise WAN close to users in regional and branch offices.

When the first viewer requests a video, the cache retrieves it from Kaltura and stores a local copy. As other viewers at the same location request the same video, they receive it directly from the local cache. As a result, fewer video streams are pulled across your corporate internet connections and the full distance from Kaltura to your audience, reducing overall traffic on the network.

BENEFITS

- One solution for live and VOD
- No client software or plugins
- Any device, including mobile
- Any streaming video source
- 100% behind the firewall
- Software runs on your hardware
- Enterprise security and encryption
- Simple, one-time setup
- Scales easily as demand grows
- VOD pre-positioning
- Robust analytics
PRODUCT FEATURES

- **Software-defined networking**: Lightweight, flexible software that runs and scales on your existing network without proprietary hardware or labor-intensive network upgrades.
- **Secure**: Because OmniCache manages video distribution at the network layer, it never exposes your network to outside risks. It also encrypts your video while in transit and at rest.
- **Vendor neutral**: Supports all pseudo-HTTP streaming protocols, including HLS, DASH, HDS, Flash and Smooth Streaming, and progressive download of MP4 files.
- **Live and VOD**: Simultaneously supports all live and on-demand video streaming platforms you use today—and in the future.
- **Video pre-positioning**: Optimizes network resources and avoids bandwidth spikes by pre-positioning videos during times of low network activity.
- **Centralized management**: Altimeter, Ramp’s web-based management platform, allows you to configure, control and monitor your global eCDN environment from a single pane of glass.
- **Scalable**: When you add OmniCache instances to serve more employees or a new location, Altimeter automatically discovers the addition and pulls it into the network.
- **Resilient**: OmniCache routes traffic based on proximity, availability and capacity, and if a problem occurs, it intelligently redirects viewers to the closest usable cache.
- **Analytics**: OmniCache gathers and exposes advanced analysis of key KPIs, including eCDN performance and network impact.

ABOUT RAMP

Ramp resolves network congestion created by live and on-demand streaming video. Offering multicasting and intelligent video caching solutions, our enterprise content delivery network (eCDN), securely and efficiently optimizes video behind the firewall to deliver the best quality viewing experience.

For more information visit: [https://ramp.com](https://ramp.com)

Get in touch: info@ramp.com

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ABOUT KALTURA

With the mission to power any video experience, Kaltura has emerged as the fastest growing video platform. Kaltura is deployed globally in thousands of enterprises, media companies, service providers, and educational institutions and engages hundreds of millions of viewers at home, at work, and at school.

For more information visit: [http://corp.kaltura.com](http://corp.kaltura.com)