

Ramp OmniCache™

Use 90% less bandwidth to stream live and on-demand video

OmniCache is an advanced video caching eCDN that supports both live streaming and on-demand video—and multiple streaming platforms simultaneously.

Video caching for the enterprise

The most impactful and cost-effective way to reach large enterprise audiences is through streaming video. 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.

Whether it's a live webcast or on-demand video, 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 times, and improved performance for users. This same concept applies to video streaming.



Distribute live and on-demand video with a single, cost-effective solution

Ramp OmniCache is an advanced video caching enterprise content delivery network (eCDN) that replaces expensive infrastructure upgrades with a lower cost, flexible solution. This lightweight software-only solution runs on your existing infrastructure and supports virtually any modern streaming protocol, including HLS, DASH, HDS and Smooth Streaming.

OmniCache gives you total control over your eCDN environment. It's deployed and managed 100% behind your firewall with built-in security to prevent unauthorized access to your videos. You can also pre-position videos during times of low network activity to avoid spikes in bandwidth during large-scale, video on demand (VOD) events such as pre-recorded executive messages or required trainings.

Because OmniCache supports both live and on-demand video, it becomes the only streaming distribution infrastructure you need in your enterprise.

SOLUTION BRIEF



Use OmniCache for...



Live & VOD.

Shortens the distance video has to travel on your network.



Ease of use.

No client software or plugins to deploy and manage.



Peace of mind.

100% behind the firewall, end-to-end encryption.



Any device.

Uninterrupted high-quality video on PCs and mobile devices.



Benefits

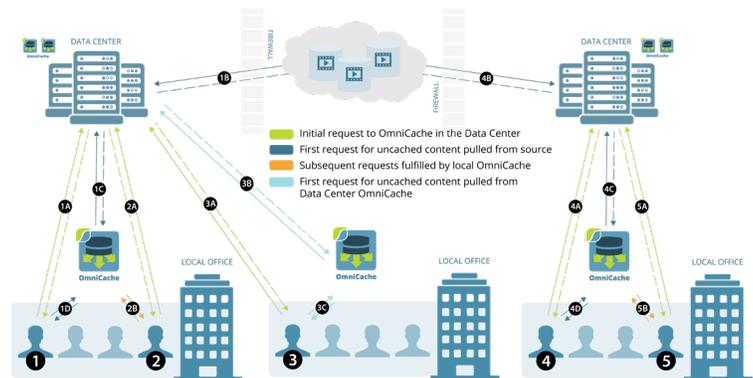
- One solution for live and VOD
- No client software or plugins
- Any device, including mobile
- Supports any streaming video source
- Simultaneous support for multiple streaming platforms
- 100% behind the firewall
- Encryption to protect videos in transit and at rest
- Software runs on your existing infrastructure
- Simple, one-time setup
- Scales easily as demand grows
- Centralized management, monitoring & insightful analytics
- VOD pre-positioning
- Self discoverable and self healing

How OmniCache works

The key to an exceptional video experience is eliminating latency. OmniCache is designed specifically for storing and redistributing this type of media.

Caching software is installed on (virtual or physical) servers in strategic locations around your network, such as the edge of the enterprise WAN close to viewers in regional and branch offices.

When the first viewer requests a video, the cache retrieves it from the video source and stores a local copy. When other viewers in the same location request the same video, they receive it directly from the local cache—not the source.



As a result, fewer video streams are travelling across the corporate internet connection and WAN links, reserving bandwidth for mission-critical applications. With less distance to travel, employees also enjoy a high-quality, glitch-free experience with faster start times.

Ramp's management platform, Altimeter, makes it easy to deploy, configure, manage, monitor and analyze your entire eCDN deployment. It's an easy-to-use, web-based interface that centralizes licensing, management and configuration, such as setting up advanced cache routing rules to direct video traffic on your network. [Learn more about Altimeter.](#)

Also available from Ramp – Multicast+

If you have a multicast-enabled network and live streaming is a priority, consider Ramp's next-generation multicast solution. **Multicast+** is the most efficient way to distribute high-quality, live video to all your viewers. Multicast+ works with any HTML5 video player and protocol and is the only direct replacement for legacy multicast solutions.

About Ramp

Ramp solves network congestion created by live and on-demand streaming video. Our enterprise content delivery network (eCDN) efficiently, reliably and securely optimizes video distribution behind the firewall to save network capacity, protect business-critical operations, and deliver the best quality viewer experience. Using multicasting, video caching, peer-to-peer networking, or any combination, Ramp is the eCDN for all— all enterprises, all networks, all use cases, and all streaming platforms. Visit rampecdn.com for more information.