

# Vbrick Ramp Edge Caching

USE 90% LESS BANDWIDTH TO STREAM LIVE AND ON-DEMAND VIDEO

Vbrick Ramp Edge Caching 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 video on demand (VOD), 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.

### When to Use Edge Caching



#### Live & VOD

Shorten the distance video has to travel on your network for greater efficiencies



#### Ease of Use

Simplify the implementation – no client software or plugins to install and manage



#### Peace of Mind

Secure content with deployment 100% behind the firewall and end-to-end encryption



#### Any Device

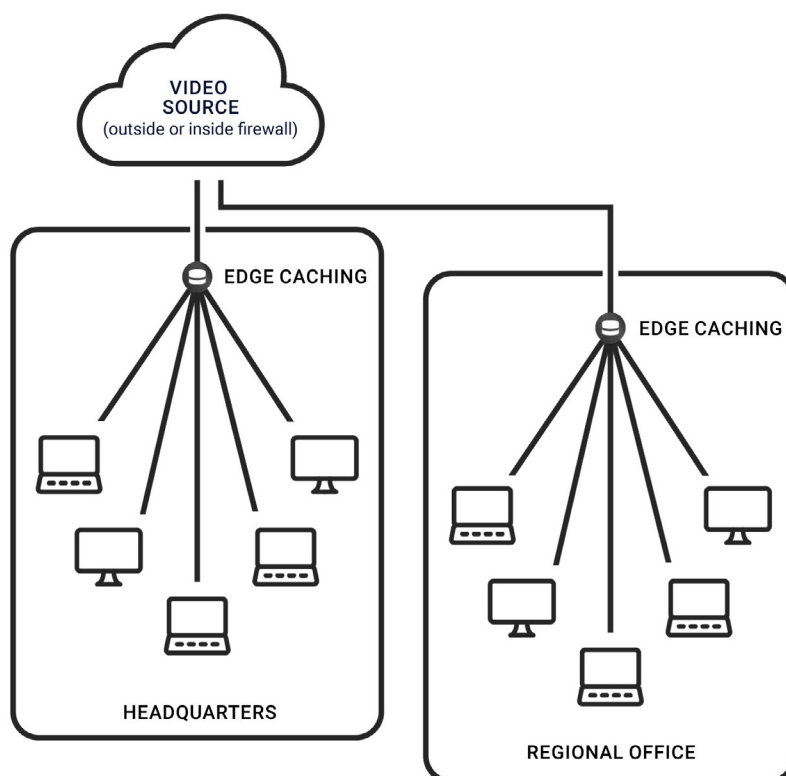
Ensure uninterrupted high-quality video on PCs and mobile devices

# Distribute Live and On-Demand Video With a Single, Cost-Effective Solution

Vbrick Ramp Edge Caching 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.

Edge caching 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, VOD events, such as pre-recorded executive messages or required trainings.

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

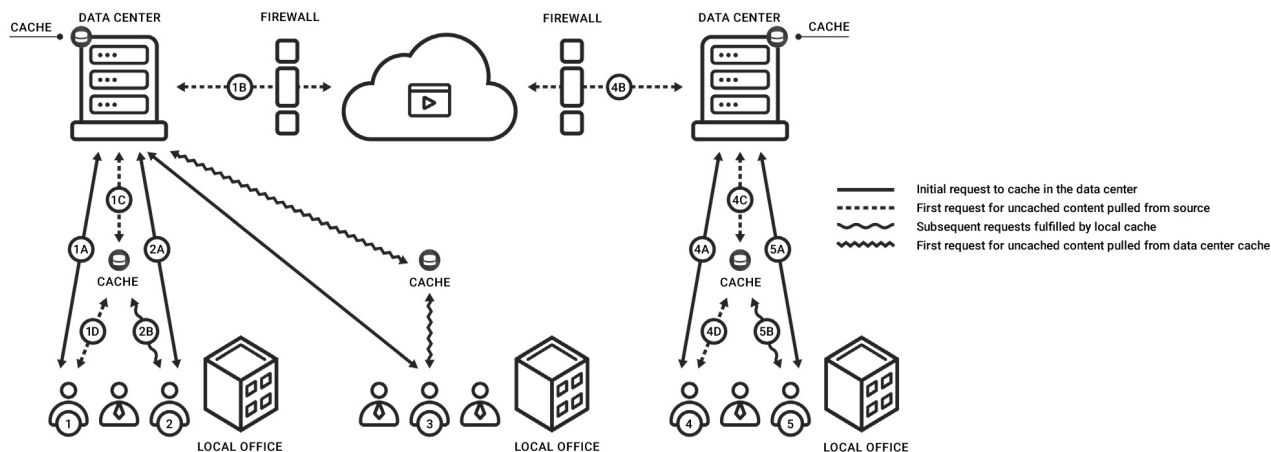


## How Vbrick Ramp Edge Caching Works

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

Caching software is installed on servers (virtual or physical) 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 traveling 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.

Vbrick Ramp’s management platform 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.

## Vbrick Ramp Edge Caching 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
- Best eCDN for live video over wifi
- 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, and insightful analytics
- VOD pre-positioning
- Self-discoverable and self-healing

## Additional Vbrick Ramp eCDN Options

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

LEARN MORE

visit: [www.vbrick.com/demo](http://www.vbrick.com/demo)  
or email: [contactus@vbrick.com](mailto:contactus@vbrick.com)



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