

Vbrick Edge Caching

ACHIEVE UP TO 99.5% BANDWIDTH SAVINGS FOR LIVE AND ON-DEMAND VIDEO STREAMING

Transform enterprise streaming with Vbrick Edge Caching – a lightweight, cost-effective solution that optimizes bandwidth by bringing video closer to your audience. Deploy this enterprise content delivery network (eCDN) on your existing infrastructure with a simple, one-time set up for both live and on-demand video.



A SINGLE, COST-EFFECTIVE SOLUTION FOR HIGH-QUALITY LIVE AND ON-DEMAND VIDEO

Streaming video is the most impactful and cost-effective way to reach large enterprise audiences. But streaming to hundreds or thousands of people on the corporate network consumes significant bandwidth, risking mission-critical applications and compromising video quality.

Whether it's a live webcast or video on demand (VOD), the best way to reduce video traffic on the corporate network is to bring the video source closer to viewers. Less distance means less bandwidth consumption, contributing to network optimization, enhanced response times, and improved user performance.

WHEN TO USE EDGE CACHING



Live & VOD

Shorten the distance video travels on your network for greater efficiencies



Enhance Quality

Cost effective network optimization for uninterrupted video streaming



Peace of Mind

Deployment behind the firewall and end-to-end encryption



Any Device

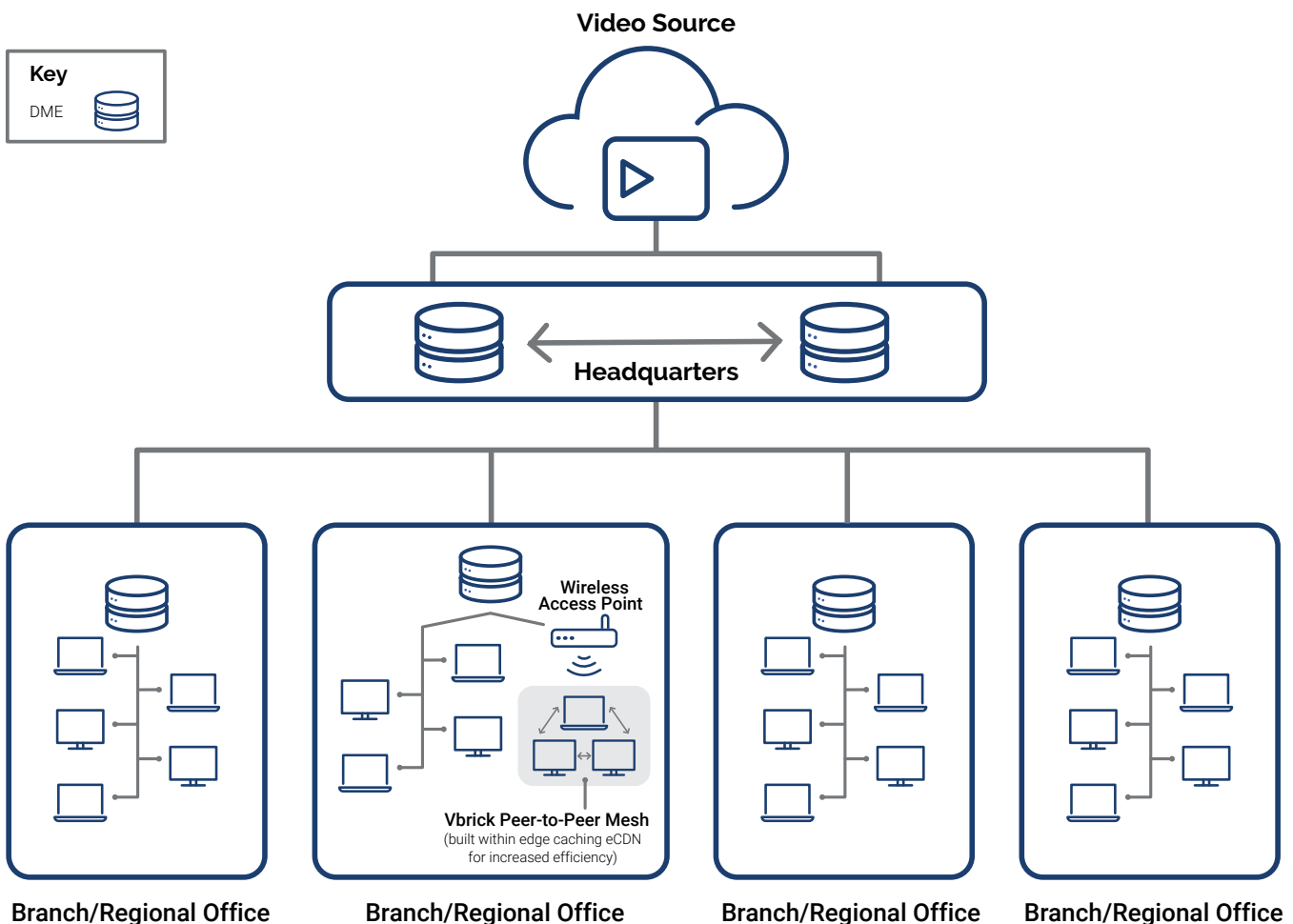
Ensure uninterrupted, high-quality video on PCs and mobile devices

HOW VBRICK EDGE CACHING WORKS

The key to an exceptional video experience hinges on eliminating latency and optimizing the network safely and efficiently. Edge caching is specifically designed for storing and redistributing this type of media.

Caching software is installed on virtual or physical servers and strategically positioned across your network – typically at the edge of the enterprise WAN, close to viewers in regional and branch offices. When the first viewer requests a video fragment, the cache retrieves it from the source and stores a local copy. When subsequent viewers in the same location request that same video fragment, they receive it directly from the local cache – not the source.

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



THE VBRICK EDGE CACHING ADVANTAGE

Vbrick Edge Caching provides a flexible and cost-effective alternative, eliminating the need for expensive infrastructure upgrades. This lightweight, software-only solution operates on existing infrastructure, supporting diverse streaming sources, protocols, and delivery methods. With a one-time setup and no client software hassle, it effortlessly scales as your enterprise grows, ensuring a future-proof investment.

Customize your eCDN to any network topology, proxies, or VPN solutions, deployed behind your firewall with robust security features. The cloud console simplifies eCDN management, offering a centralized hub for deployment, configuration, monitoring, and analysis. The user-friendly interface allows for setting up advanced cache routing rules for precise video traffic direction.

As part of Vbrick Universal eCDN's advanced technologies, Vbrick Edge Caching provides a unified solution for both live and on-demand video distribution. Unleash your network's full potential by leveraging Vbrick Edge Caching or a tailored combination of Vbrick Universal eCDN technologies to meet specific network and distribution needs.



VBRICK UNIVERSAL ECDN

Tap into the most versatile video distribution architecture available today to deliver exceptional video experiences to every person, every time. Vbrick Universal eCDN is the only solution on the market with three advanced eCDN technologies: peer-to-peer, edge caching, and multicast. Use any combination to deliver your message at scale without interruption while safeguarding the security of your video assets. Our portfolio of advanced technologies provides your enterprise with unparalleled flexibility to fit the needs of your network – today and in the future.

Flexible Network Support	Advanced Integration Capabilities	Simple Cloud Management and Analytics	Top-Tier Security and Compliance
<ul style="list-style-type: none">Adaptable infrastructure for evolving network configurations and use casesFuture-proof your network with peer-to-peer, edge caching, and multicast technologiesOperate our three advanced eCDN technologies independently or in unison	<ul style="list-style-type: none">Deep partner integrations with Webex Webinars and Microsoft Teams, including town hall supportSupports a multitude of streaming sources, protocols, and delivery methodsSet up custom or bespoke integrations for other video platforms using our software development kit (SDK)	<ul style="list-style-type: none">Provides a centralized platform for ongoing management, monitoring, and detailed analyticsComprehensive real-time and post-event analytics, down to individual end-user deviceHigh availability with heartbeat monitoring	<ul style="list-style-type: none">FedRAMP-certified, SOC 2 Type II accredited, and GDPR-compliantEncryption ensures video security both in transit and at restDeployment behind the firewall

LEARN MORE

visit: www.vbrick.com/demo
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