Kaltura eCDN
Powering Your Video Delivery

The rapid growth of live and on-demand video in the modern enterprise requires IT organizations to implement video delivery optimization technologies to minimize impact on the corporate network, improve the users' viewing experience, comply with data privacy and security regulations, and reduce the bandwidth consumption and cost.

Kaltura eCDN provides scalable and secure video delivery behind the firewall. Kaltura eCDN, combined with Kaltura's industry leading enterprise video portal and live webcasting solution, will effectively deliver high quality video to an unlimited number of users, in any number of remote sites, on any device, with no impact on your network's WAN/LAN. Whether for a CEO speech, training session, campus event, or user-generated videos, you can reliably and securely broadcast live or on-demand video content to audiences of any size, anywhere.

The results? Engaged viewers, satisfied senior management and peace of mind for your IT and security teams.

KALTURA eCDN BENEFITS

- **Improve viewing experience**: Deliver high quality video to any device, anywhere, and eliminate buffering even during peak events.
- **Comply with security and network management policies**: Control access to your video content inside and outside of your company's network and firewall.
- **Simplify IT**: Scale live and on-demand video delivery to an unlimited number of viewers, with control and monitoring.
- **Deploy with optimal flexibility**: Use eCDN as a single video delivery mechanism, or combine with other internal/external CDN components, deployed on premises or through a hybrid hosted solution.
- **Ensure responsible use of the network**: Facilitate centralized management and control of all video delivery

DELIVERY AS PART OF KALTURA’S VIDEO CONTENT LIFE CYCLE

- **Capture & Ingest**
- **Transcode**
- **Manage & Moderate**
- **Deliver**
- **Publish & Engage**
- **Report & Analyze**

Use cases

- Share videos with employees, including remote sites, without impacting your WAN/LAN
- Support high-volume, high-reliability live broadcast events
- Provide secure video delivery behind the firewall
- Cater to all viewing methods (LAN, Wi-Fi, VPN, Internet, Desktop, Mobile, etc.)
Features and Capabilities

ROBUSTNESS AND FLEXIBILITY

• **Live Unicast and Multicast delivery**: Stream live video in Unicast (HLS) or Multicast (RTP), based on your network topology and IT/business requirements.

• **Multi-protocol and multi-bitrate**: Transcode stream to multiple protocols, including HLS, for playback on all devices: desktops, tablets, and mobile devices.

• **Unlimited concurrent live events**: Stream as many live events as you need.

USER EXPERIENCE

• **Broadcasts live events from your video portal**: with or without your own encoding software.

• **Records live events for on-demand viewing**: Increase the reach of live webcasts by automatically publishing recordings on the same page as the live event.

• **Live DVR**: Improve the live event viewing experience with the ability to pause, rewind, etc.

• **Optimized to work with Kaltura’s market-leading video applications**: eCDN is tightly integrated with Kaltura’s Webcasting, MediaSpace, SharePoint Video Extension, and other applications and APIs, providing a seamless user experience from video engagement/interactivity to quality streaming.

SECURITY

• **Behind the firewall delivery**: Kaltura eCDN resides on your premises, making sure video content never leaves your firewall.

• **Comprehensive security capabilities**: eCDN includes all of Kaltura’s security features (access control, HTTPS embeds, entitlements, etc.), market-tested by world’s most security-conscious organizations.

SMART DELIVERY

• **Dual-delivery**: Enable both internal and external audiences to stream video via Kaltura eCDN or a public CDN, based on your security and business requirements.

• **Controls playback quality and bandwidth consumption**: Stream your content through adaptive or fixed bitrate.

• **Multicast to Unicast fallback**: Configure an intelligent fallback mechanism to deliver video over Unicast when Multicast is not available.

• **Content Pre-positioning**: Position content closer to your viewers, on Kaltura Edge Servers, to eliminate WAN overload.

• **Advanced control and delivery rules**: Maximize video delivery efficiency with delivery rules based on user location/IP, identity, video metadata, and more.

Kaltura’s mission is to power any video experience. A recognized leader in the OTT TV (Over-the-top TV), OVP (Online Video Platform), EdVP (Education Video Platform) and EVP (Enterprise Video Platform) markets, Kaltura has emerged as the fastest growing video platform, and as the one with the widest use-case and appeal. 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. The company is committed to its core values of openness, flexibility, and collaboration, and is the initiator and backer of the world’s leading open-source video-management project, which is home to more than 100,000 community members. For more information visit www.kaltura.com or www.kaltura.org. Visit our eCDN page at: http://corp.kaltura.com/products/Video-Applications/eCDN