

Kaltura eCDN Information Guide

Last Modified on 09/19/2022 5:40 pm IDT

Overview of the Kaltura eCDN

The Kaltura eCDN is an out-of-the-box solution for scalable and secure delivery of live and on-demand video content behind the firewall.

As video usage increases, Kaltura eCDN streaming and caching capabilities effectively stream high quality video to an unlimited number of users, in any number of remote sites, to any device, without any impact on the corporate's WAN/LAN networks. Whether it is the CEO speech, a training session, a campus event or User-Generated Content videos (UGC) it is possible to reliably and securely broadcast a live event in unicast mode as well as deliver on-demand videos to an internal audience.

Kaltura eCDN is installed on premise and can work fully alongside Kaltura SaaS or Kaltura's OnPrem™ Video Management solution.

The Kaltura eCDNs consist of one or more Kaltura Edge Servers (KES) based on Nginx and Node.js. The KES server downloads content once from the Public CDN and caches locally for distribution to end users over the LAN / WAN per the delivery rules configuration. The KES helps cache popular content for VOD and HTTP-based live (HDS/HLS) and supports pre-positioning of content. Multiple KES servers can be configured in a parent / child relationship (Hub / Spoke) to further reduce external requests to the public CDN.