

Hosting and Delivery for Eko Projects

Overview

An Eko video project is a web application composed of code files and video files. Multiple encoded video files are streamed to the user's browser based on the decisions the user takes at the interactive video playing decision points. At first, files are encoded into many representations, to address different environment types and network qualities (with adaptive bitrate). Then they are uploaded to a central cloud location where they are streamed to the user's browser.

To guarantee the best user experience is provided, CDNs (Content Delivery Networks) are utilized to deliver the interactive video project to the user's browser. The global server network behind a CDN ensures that the media reaches end users with optimal response time and availability.

Definitions

- **Hosting of an Eko Project** - Hosting is defined as the central location where all the interactive video project assets (code and video files) are being stored.
- **Delivery of an Eko Project** - Delivery of an Eko project is the method of delivering the video and code files from the hosting location to the user's browser via a CDN.

Hosting And Delivery Alternatives

The Eko video project code's infrastructure was developed to be flexible in order to allow our partners to choose whether to host and deliver the video from their infrastructures. Partners can choose whether to host the video project themselves, deliver the video from their CDN, or both.

To support full scalability, we recommend partners let Eko host and deliver the video from Eko's infrastructures, which we provide at cost. Eko's scalable infrastructure is based on hosting by [Amazon AWS S3](#) (which provides highly scalable, reliable and fast data storage infrastructure) and delivery by our best-in-class and reliable CDN partners Amazon Cloudfront, Akamai and Fastly.