Aspera

an IBM® company

Aspera High-Speed Upload for Kaltura

FASP®-enabled high-speed ingest of large digital media files to Kaltura's video platform

AT A GLANCE

Key Features

- Seamless integration with Kaltura's Drop Folders' ingestion service preserves the Kaltura workflow.

- Automatic creation of Kaltura entries to initiate the transcoding process and/ or deliver all media assets at their final location from which they are available for playback and content delivery.

- Configurable transfer priority settings during the upload via the auto-installed Aspera Connect browser plug-in.

- On-the-fly aggregate or per-transfer bandwidth allocation.

Key Benefits

- Upload video and metadata over wide area network (WAN) at line speed, regardless of distance, fully utilizing the available bandwidth.

- Allows customers to easily initiate high-speed transfers and monitor real-time progress directly from Kaltura Management Console

- Achieves high-speed, robust and reliable transfers with guaranteed predictable delivery times

- Supports the Kaltura Drop Folders ingestion service to Kaltura cloud and on premises storage.

"We leveraged Kaltura's existing capabilities, tweaked the platform to fit our specific needs and ultimately enjoyed low implementation costs, a short time to market, and advanced technology."

⬤Niels Steenstrup
VP, Product and Platforms

Kaltura is a recognized leader in Over-the-top TV and in the Online Video Platform, Education Video Platform, and Enterprise Video Platform markets that engages hundreds of millions of viewers at home, in work, and at school. Kaltura has been deployed globally in thousands of enterprises, media companies, service providers, and educational institutions to become recognized as the fastest growing video platform and the widest use-case and appeal.

The Kaltura Management Console (KMC) is a rich-media management system that enables users to ingest, manage, publish, distribute, monetize and analyze media – all in one intuitive interface. For Kaltura customers with larger files and more intensive bulk ingestion and uploads across global wide area networks, slower TCP-based transfer times often present significant bottlenecks that are unacceptable in fast-paced digital publishing and distribution. Faster cycle times can translate in much more published content to boost top line revenues.

FULLY INTEGRATED WITH KALTURA VIDEO PLATFORM

Kaltura has added a high-speed upload option to its Kaltura Management Console (KMC) based on Aspera's patented Fast, Adaptive Secure Protocol (FASP®) transport technology. The Aspera High-Speed Upload for Kaltura enables integrated, high-speed ingest of large digital media files to Kaltura's video platform. With the FASP transfer technology, this option delivers maximum transfer throughput independent of distance and network conditions, typically achieving speed improvements in the range of 10 to 100 times faster than standard TCP-based transfers such as FTP and HTTP, with end-to-end security and exceptional bandwidth control.

The Aspera High-Speed Upload option is used by content administrators that upload videos to their Kaltura's storage and content management console. From there, the content can be published on any website or mobile application. It is particularly useful for large production houses, media companies and news producers – that ingest high quality,

long-form source files or time sensitive content on a regular basis.

Kaltura's high-speed upload option is enabled by the Aspera Connect Server hosted and managed in Kaltura Data Centers. It is integrated with Kaltura's Drop Folders' ingestion service in a similar way to the ingestion flow of uploading files to a Drop Folder hosted in Kaltura using an FTP client.
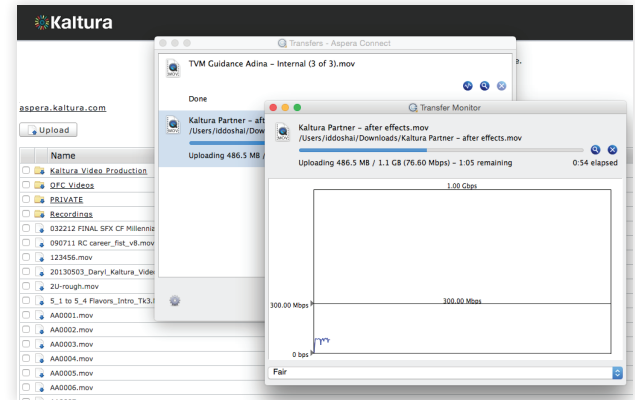
Files are quickly and easily uploaded using Aspera's FASP transfer technology to a Kaltura Drop Folder hosted in Kaltura. From the Kaltura Drop Folder, the ingestion process automatically creates Kaltura entries and will initiate the transcoding process and/ or the setting of all media assets at their final location from which they are available for playback and content delivery on any device.

Gogo, the world's leading provider of in-flight connectivity and an innovator in in-flight entertainment, is one of Kaltura's customers currently using the Aspera High-Speed Upload. The company streams full length high definition movies, which typically take a long time to upload. By using Kaltura with the Aspera High-Speed Upload option, Gogo was able to reduce its upload times by over 90 percent on average.

In addition to its speed and reliability, Kaltura High-Speed Upload offers upload flexibility and automation. In the case of GoGo, it allows multiple content providers to ingest into the GoGo's KMC account, without actually logging in to it. This is done using Aspera drop folders where content providers can drop their files to be uploaded and quickly ingested to Kaltura with no human intervention.

Read more about Kaltura's case at

Aspera High-Speed Upload for Kaltura

INDUSTRIAL STRENGTH RELIABILITY

File transfers occur with maximum bandwidth efficiency and are stable, robust and predictable, even for the largest files and data sets, over the longest distances and networks with challenging conditions. The Aspera High-Speed Upload option follows and adheres to the Kaltura standards for file transfers.

Moving a 4GB file over different bandwidths		Across US
FTP	10 Mbps	4-6 Hrs
	100 Mbps	
	1 Gbps	
Aspera FASP®	10 Mbps	58 Min
	100 Mbps	5.8 Min
	1 Gbps	34 Sec

UTILIZES EXISTING KALTURA WORKFLOW

The Aspera High-Speed upload option works seamlessly within the existing Kaltura ecosystem. It supports the existing hardware and storage. The user interface remains unchanged. The ingestion process from the drop folder typically supports the following workflow types:

- Upload of stand-alone media files
- Upload of both media files and XML files where metadata setting is automated as well.

By supporting the existing Kaltura products, Kaltura customers can utilize the high-speed transport of high-resolution media and associated metadata made possible by Aspera technology.

SERVER-TO-SERVER ACCELERATED TRANSFERS

The Kaltura SaaS service has tightly integrated the Aspera infrastructure, allowing server-to-server transfers of very large files, for a seamless workflow.

FLEXIBLE WORKFLOWS

Kaltura and Aspera can integrate with any system including:

- Connections with on-premise transcoders to a cloud environment by ingesting pre-transcoded flavors and managing them in the cloud
- Connections to remote storage—allowing management of remote-assets from a cloud environment—for hybrid environment/delivery behind the firewall, Aspera will transfer metadata only
- Kaltura connections to your infrastructure, over a secure Aspera link, to provide customers with the simplicity of storing content in a local network folder that Kaltura Drop Folder can monitor for new assets and immediately ingest over an Aspera FASP session

TYPICAL APPLICATIONS

Multi-user, multi-site deployments

Multiple geographically dispersed workgroups using remote editing stations can easily collaborate on projects by sharing high resolution video and associated metadata at high-speed over WAN.

High-speed content ingest

Enable outside organizations to ingest Kaltura content (full projects or partial clips and associated metadata) from non-ITS systems at high-speed across global distances.

Post-project archive

High-speed transfer of Kaltura content to on premises or cloud storage across the WAN.

INTERESTED IN FAST, CONVENIENT ACTIVATION?

The High-Speed Upload option is activated by Kaltura when the High-Speed Upload option is included or added to the service agreement. To activate the High-Speed Upload option for KMC accounts, Kaltura customers should contact their Kaltura account manager or any other Kaltura representative they are currently working with. The activation process includes the provisioning of an Aspera user account and the Kaltura hosted Drop Folder to which the Aspera account will be contented.