Configure network and firewall requirements for Kaltura Edge Server

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This article is designated for administrators.

About

Kaltura Edge Server (KES) requires access to specific network ports and Kaltura domains to communicate with users on your internal network and with the Kaltura cloud.

Use the requirements below to configure your organization's network and firewall rules.

If your organization uses **Chrome 142** or later, browser-level **Local Network Access (LNA)** restrictions can also affect communication with KES. These requirements are separate from your firewall configuration.

Network port requirements

Configure the following network ports based on the source and destination.

Port	Source	Destination
443	Internal user	Kaltura Edge Server
80	Internal user	Kaltura Edge Server
443	Kaltura Edge Server	Kaltura cloud
80	Kaltura Edge Server	Kaltura cloud
22	Administrator	Kaltura Edge Server

Allow Kaltura domains over port 443

Allow KES to connect to:

`https://*.kaltura.com`

If your firewall doesn't support wildcard domains, allow the following domains

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individually:

- cfvod.kaltura.com
- cdnapi.kaltura.com
- klive.kaltura.com
- www.kaltura.com
- fstlive.kaltura.com
- cdnapisec.kaltura.com
- ecdnmonitor.kaltura.com

Depending on your environment, also allow:

- https://kalsegsec-a.akamaihd.net - Alternative CDN domain
- https://klive-a.akamaihd.net - Legacy Live CDN
- https://kalseglive-a.akamaihd.net - Alternative Live CDN
- https://*.kaltura.io - RPM repository and file exchange
- http://*.kaltura.org

Allow Kaltura domains over port 80

Allow KES to connect to:

http://*.kaltura.com

If your firewall doesn't support wildcard domains, allow the following domains individually:

- cfvod.kaltura.com
- cdnapi.kaltura.com
- klive.kaltura.com
- www.kaltura.com
- fstlive.kaltura.com
- cdnapisec.kaltura.com
- ecdnmonitor.kaltura.com

Configure browser Local Network Access

Firewall access alone might not be sufficient for users accessing KES from browsers that enforce Local Network Access (LNA) restrictions.

Starting with Chrome 142, requests from public websites to private or local network addresses can be restricted by the browser. This can affect Kaltura eCDN environments where a public-facing Kaltura domain communicates with KES or peers on your internal

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network.

No changes are required in Kaltura products. Your IT or security team should determine whether a browser policy exception is required.

See Configure Local Network Access for Kaltura eCDN for affected environments and configuration options.

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