

# Kaltura network firewall or proxy server settings

Last Modified on 03/19/2025 10:05 am IST

 This article is designated for administrators.

## Kaltura firewall rules

To configure your network firewall, please see the following table. The following rules should be applied to outbound traffic.



The best practice is NOT to use IP addresses as these can change frequently in the cloud. Customers should create new whitelists using the list of Domains and ports as mentioned below.

### US Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443) HTTP (port 80)	192.58.252.0/23	If using HTTPS (recommended): <a href="https://cdnapi-ev.kaltura.com">https://cdnapi-ev.kaltura.com</a>  If using HTTP: <a href="https://cdnapisec.kaltura.com">cdnapisec.kaltura.com</a>
API: Messaging, connectors, User profile, app registry, authentication	HTTPS (port 443)	N/A	<a href="https://messaging.nvp1.ovp.kaltura.com">messaging.nvp1.ovp.kaltura.com</a> <a href="https://connectors.nvp1.ovp.kaltura.com">connectors.nvp1.ovp.kaltura.com</a> <a href="https://user.nvp1.ovp.kaltura.com">user.nvp1.ovp.kaltura.com</a> <a href="https://app-registry.nvp1.kaltura.com">app-registry.nvp1.kaltura.com</a> <a href="https://auth.nvp1.ovp.kaltura.com">auth.nvp1.ovp.kaltura.com</a> <a href="https://sso.kaltura.com">sso.kaltura.com</a>
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, Event Platform, eCDN monitoring	HTTPS (port 443) HTTP (port 80)	192.58.252.0/23	<a href="https://kmc.kaltura.com">kmc.kaltura.com</a> <a href="https://push.kaltura.com">push.kaltura.com</a> <a href="https://upload.kaltura.com">upload.kaltura.com</a> <a href="https://async-api.kaltura.com">async-api.kaltura.com</a> <a href="https://eventplatform.kaltura.com">eventplatform.kaltura.com</a> <a href="https://ecdn-monitor.kaltura.com">ecdn-monitor.kaltura.com</a> <a href="https://www.kaltura.com">www.kaltura.com</a> <a href="https://crash-reports.kaltura.com">crash-reports.kaltura.com</a>

Service	Protocols Supported	IP Addresses	URLs
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Chat and Collaboration	HTTPS (port 443)	N/A	chat.nvp1.ovp.kaltura.com
Mediaspace, KAF	HTTPS (port 443) HTTP (port 80)	162.159.135.91 162.159.136.91	*.mediaspace.kaltura.com <a href="https://kms-a.akamaihd.net">kms-a.akamaihd.net</a> *kaf.kaltura.com
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	192.58.252.0/23	RTMP/RTMPs: *.p.kpublish.kaltura.com *.b.kpublish.kaltura.com  SRT: *.p.srt.publish.live.kaltura.com *.b.srt.publish.live.kaltura.com
VOD Playback	HTTPS (port 443) HTTP (port 80)	N/A	cfvod.kaltura.com
Live Playback	HTTPS (port 443) HTTP (port 80)	N/A	cflive.kaltura.com klive.kaltura.com
Analytics	HTTPS (port 443) HTTP (port 80)	N/A	analytics.kaltura.com

## Frankfurt Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	3.77.207.224/27	api.de.kaltura.com api.frp2.ovp.kaltura.com

Service	Protocols Supported	IP Addresses	URLs
API: Messaging, connectors, User profile, app registry, authentication	HTTPS (port 443)	N/A	messaging.frp2.ovp.kaltura.com connectors.frp2.ovp.kaltura.com user.frp2.ovp.kaltura.com app-registry.frp2.kaltura.com auth.frp2.ovp.kaltura.com sso.de.kaltura.com
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	3.77.207.224/27	kmc.frp2.ovp.kaltura.com kmc.de.kaltura.com push.frp2.ovp.kaltura.com upload.frp2.ovp.kaltura.com upload.de.kaltura.com async.frp2.ovp.kaltura.com eventplatform.frp2.ovp.kaltura.com eventplatform.de.kaltura.com ecdn-monitor.de.kaltura.com crash-reports.frp2.ovp.kaltura.com
Chat and Collaboration	HTTPS (port 443)	N/A	chat.frp2.ovp.kaltura.com
Mediaspace, KAF	HTTPS (port 443)	162.159.135.91 162.159.136.91	*.frp2.mediaspace.kaltura.com *.mediaspace.de.kaltura.com
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	3.78.137.192/27	RTMP/RTMPs: *.p.rtmp.euc.publish.live.kaltura.com *.b.rtmp.euc.publish.live.kaltura.com  SRT: *.p.srt.euc.publish.live.kaltura.com *.b.srt.euc.publish.live.kaltura.com
VOD Playback	HTTPS (port 443)	N/A	cfvod.frp2.ovp.kaltura.com
Live Playback	HTTPS (port 443)	N/A	cflive.frp2.ovp.kaltura.com
Analytics	HTTPS (port 443)	N/A	analytics.de.kaltura.com <a href="https://analytics.frp2.ovp.kaltura.com">analytics.frp2.ovp.kaltura.com</a>

## EMEA Region (Ireland)

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	3.253.199.192/27	api.eu.kaltura.com api.irp2.ovp.kaltura.com api.eu2.kaltura.com
API: Messaging, connectors, User profile, app registry, authentication	HTTPS (port 443)	N/A	messaging.irp2.ovp.kaltura.com connectors.irp2.ovp.kaltura.com user.irp2.ovp.kaltura.com app-registry.irp2.kaltura.com auth.irp2.ovp.kaltura.com sso.eu.kaltura.com sso.eu2.kaltura.com
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	3.253.199.192/27	kmc.irp2.ovp.kaltura.com kmc.eu2.kaltura.com push.irp2.ovp.kaltura.com upload.irp2.ovp.kaltura.com upload.eu2.kaltura.com async.irp2.ovp.kaltura.com eventplatform.irp2.ovp.kaltura.com eventplatform.eu2.kaltura.com ecdn-monitor.eu.kaltura.com crash-reports.irp2.ovp.kaltura.com
Chat and Collaboration	HTTPS (port 443)	N/A	chat.irp2.ovp.kaltura.com
Mediaspace, KAF	HTTPS (port 443)	162.159.135.91 162.159.136.91	*.mediaspace.eu.kaltura.com *.mediaspace.eu2.kaltura.com
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	3.78.137.192/27	RTMP/RTMPs: *.p.rtmp.euc.publish.live.kaltura.com *.b.rtmp.euc.publish.live.kaltura.com  SRT: *.p.srt.euc.publish.live.kaltura.com *.b.srt.euc.publish.live.kaltura.com
VOD Playback	HTTPS (port 443)	N/A	cfvod.irp2.ovp.kaltura.com

Service	Protocols Supported	IP Addresses	URLs
Live Playback	HTTPS (port 443)	N/A	<a href="https://cflive.irp2.ovp.kaltura.com">cflive.irp2.ovp.kaltura.com</a>
Analytics	HTTPS (port 443)	N/A	<a href="https://analytics.eu2.kaltura.com">analytics.eu2.kaltura.com</a> <a href="https://analytics.irp2.ovp.kaltura.com">analytics.irp2.ovp.kaltura.com</a>

## Singapore Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	18.143.252.96/27	<a href="https://api.sg.kaltura.com">api.sg.kaltura.com</a> <a href="https://api.sgp2.ovp.kaltura.com">api.sgp2.ovp.kaltura.com</a> <a href="https://sso.sg.kaltura.com">sso.sg.kaltura.com</a>
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	18.143.252.96/27	<a href="https://kmc.sg.kaltura.com">kmc.sg.kaltura.com</a> <a href="https://push.sgp2.ovp.kaltura.com">push.sgp2.ovp.kaltura.com</a> <a href="https://upload.sgp2.ovp.kaltura.com">upload.sgp2.ovp.kaltura.com</a> <a href="https://upload.sg.kaltura.com">upload.sg.kaltura.com</a> <a href="https://async.sgp2.ovp.kaltura.com">async.sgp2.ovp.kaltura.com</a> <a href="https://ecdn-monitor.sg.kaltura.com">ecdn-monitor.sg.kaltura.com</a>
Mediaspace, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	*. <a href="https://sgp2.mediaspace.kaltura.com">sgp2.mediaspace.kaltura.com</a> *. <a href="https://mediaspace.sg.kaltura.com">mediaspace.sg.kaltura.com</a> <a href="https://assets.mediaspace.sg.kaltura.com">assets.mediaspace.sg.kaltura.com</a>
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	18.143.252.96/27	RTMP/RTMPs: <a href="https://live.sgp2.ovp.kaltura.com">live.sgp2.ovp.kaltura.com</a>
VOD Playback	HTTPS (port 443)	N/A	<a href="https://cfvod.sgp2.ovp.kaltura.com">cfvod.sgp2.ovp.kaltura.com</a> <a href="https://vodcdn.sg.kaltura.com">vodcdn.sg.kaltura.com</a>

Service	Protocols Supported	IP Addresses	URLs
Live Playback	HTTPS (port 443)	N/A	<a href="https://cflive.sgp2.ovp.kaltura.com">cflive.sgp2.ovp.kaltura.com</a>
Analytics	HTTPS (port 443)	N/A	<a href="https://analytics.sg.kaltura.com">analytics.sg.kaltura.com</a> <a href="https://analytics.sgp2.ovp.kaltura.com">analytics.sgp2.ovp.kaltura.com</a>

## Canada Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	18.99.0.144/28	<a href="https://api.ca.kaltura.com">api.ca.kaltura.com</a> <a href="https://api.cap2.ovp.kaltura.com">api.cap2.ovp.kaltura.com</a> <a href="https://sso.ca.kaltura.com">sso.ca.kaltura.com</a>
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	18.99.0.144/28	<a href="https://kmc.ca.kaltura.com">kmc.ca.kaltura.com</a> <a href="https://push.cap2.ovp.kaltura.com">push.cap2.ovp.kaltura.com</a> <a href="https://upload.cap2.ovp.kaltura.com">upload.cap2.ovp.kaltura.com</a> <a href="https://upload.ca.kaltura.com">upload.ca.kaltura.com</a> <a href="https://async.cap2.ovp.kaltura.com">async.cap2.ovp.kaltura.com</a> <a href="https://ecdn-monitor.ca.kaltura.com">ecdn-monitor.ca.kaltura.com</a>
Mediaspace, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	<a href="https://*.cap2.mediaspace.kaltura.com">*.cap2.mediaspace.kaltura.com</a> <a href="https://*.mediaspace.ca.kaltura.com">*.mediaspace.ca.kaltura.com</a> <a href="https://assets.mediaspace.ca.kaltura.com">assets.mediaspace.ca.kaltura.com</a>
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	18.99.0.144/28	RTMP/RTMPs: <a href="https://live.cap2.ovp.kaltura.com">live.cap2.ovp.kaltura.com</a>

Service	Protocols Supported	IP Addresses	URLs
VOD Playback	HTTPS (port 443)	N/A	<a href="https://cfvod.cap2.ovp.kaltura.com">cfvod.cap2.ovp.kaltura.com</a> <a href="https://vodcdn.ca.kaltura.com">vodcdn.ca.kaltura.com</a>
Live Playback	HTTPS (port 443)	N/A	<a href="https://cflive.cap2.ovp.kaltura.com">cflive.cap2.ovp.kaltura.com</a>
Analytics	HTTPS (port 443)	N/A	<a href="https://analytics.ca.kaltura.com">analytics.ca.kaltura.com</a> <a href="https://analytics.cap2.ovp.kaltura.com">analytics.cap2.ovp.kaltura.com</a>

### APAC Region (Australia)

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	3.27.166.160/27	<a href="https://api.ap.kaltura.com">api.ap.kaltura.com</a> <a href="https://api.syp2.ovp.kaltura.com">api.syp2.ovp.kaltura.com</a> <a href="https://sso.ap.kaltura.com">sso.ap.kaltura.com</a>
KMC, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	3.27.166.160/27	<a href="https://kmc.ap.kaltura.com">kmc.ap.kaltura.com</a> <a href="https://push.syp2.ovp.kaltura.com">push.syp2.ovp.kaltura.com</a> <a href="https://upload.syp2.ovp.kaltura.com">upload.syp2.ovp.kaltura.com</a> <a href="https://upload.ap.kaltura.com">upload.ap.kaltura.com</a> <a href="https://async.syp2.ovp.kaltura.com">async.syp2.ovp.kaltura.com</a> <a href="https://ecdn-monitor.ap.kaltura.com">ecdn-monitor.ap.kaltura.com</a>
Mediaspace, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	*. <a href="https://syp2.mediaspace.kaltura.com">syp2.mediaspace.kaltura.com</a> *. <a href="https://mediaspace.ap.kaltura.com">mediaspace.ap.kaltura.com</a> <a href="https://assets.mediaspace.ap.kaltura.com">assets.mediaspace.ap.kaltura.com</a>

Service	Protocols Supported	IP Addresses	URLs
Live Ingress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	3.27.166.160/27	RTMP/RTMPs: <a href="https://live.syp2.ovp.kaltura.com">live.syp2.ovp.kaltura.com</a>
VOD Playback	HTTPS (port 443)	N/A	<a href="https://cfvod.syp2.ovp.kaltura.com">cfvod.syp2.ovp.kaltura.com</a> <a href="https://vodcdn.ap.kaltura.com">vodcdn.ap.kaltura.com</a>
Live Playback	HTTPS (port 443)	N/A	<a href="https://cflive.syp2.ovp.kaltura.com">cflive.syp2.ovp.kaltura.com</a>
Analytics	HTTPS (port 443)	N/A	<a href="https://analytics.ap.kaltura.com">analytics.ap.kaltura.com</a> <a href="https://analytics.syp2.ovp.kaltura.com">analytics.syp2.ovp.kaltura.com</a>