Kaltura network firewall or proxy server settings

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This article is designated for administrators.

About

To configure your network firewall, please see the table below. The following rules should be applied to **outbound (egress)** 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.

The rules below cover standard outbound (egress) traffic only. Additional settings may be required when using specific features or integrations (such as webhooks or LTI 1.3), which may require allowing inbound connectivity. If you encounter connectivity issues, please contact Kaltura Support.

US Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443) HTTP (port 80)	192.58.252.0/23	www.kaltura.com cdnapisec.kaltura.com
API: Messaging, connectors, User profile, app registry, authentication	HTTPS (port 443)	N/A	messaging.nvp1.ovp.kaltura.com connectors.nvp1.ovp.kaltura.com user.nvp1.ovp.kaltura.com app-registry.nvp1.ovp.kaltura.com auth.nvp1.ovp.kaltura.com sso.kaltura.com

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Service	Protocols Supported	IP Addresses	URLs
Rich Media CMS, KEA, Lecture Capture, Upload, Pubsub, Async, Event Platform, eCDN monitoring	HTTPS (port 443) HTTP (port 80)	192.58.252.0/23	kmc.kaltura.com push.kaltura.com upload.kaltura.com async-api.kaltura.com eventplatform.kaltura.com ecdn-monitor.kaltura.com www.kaltura.com crash-reports.kaltura.com
Chat and Collaboration	HTTPS (port 443)	N/A	chat.nvp1.ovp.kaltura.com
legacy Video Portal, KAF	HTTPS (port 443) HTTP (port 80)	162.159.135.91 162.159.136.91	*.mediaspace.kaltura.com kms-a.akamaihd.net *kaf.kaltura.com
Live Egress	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

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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.ovp.kaltura.com auth.frp2.ovp.kaltura.com sso.de.kaltura.com
Rich Media CMS, 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
legacy Video Portal, KAF	HTTPS (port 443)	162.159.135.91 162.159.136.91	*.frp2.mediaspace.kaltura.com *.mediaspace.de.kaltura.com
Live Egress	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 analytics.frp2.ovp.kaltura.com

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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.ovp.kaltura.com auth.irp2.ovp.kaltura.com sso.eu.kaltura.com sso.eu2.kaltura.com
Rich Media CMS, 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
legacy Video Portal, KAF	HTTPS (port 443)	162.159.135.91 162.159.136.91	*.mediaspace.eu.kaltura.com *.mediaspace.eu2.kaltura.com
Live Egress	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

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Service	Protocols Supported	IP Addresses	URLs
Live Playback	HTTPS (port 443)	N/A	cflive.irp2.ovp.kaltura.com
Analytics	HTTPS (port 443)	N/A	analytics.eu2.kaltura.com analytics.irp2.ovp.kaltura.com

Singapore Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	18.143.252.96/27	api.sg.kaltura.com api.sgp2.ovp.kaltura.com sso.sg.kaltura.com
Rich Media CMS, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	18.143.252.96/27	kmc.sg.kaltura.com push.sgp2.ovp.kaltura.com upload.sgp2.ovp.kaltura.com upload.sg.kaltura.com async.sgp2.ovp.kaltura.com ecdn-monitor.sg.kaltura.com
legacy Video Portal, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	*.sgp2.mediaspace.kaltura.com *.mediaspace.sg.kaltura.com assets.mediaspace.sg.kaltura.com
Live Egress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	18.143.252.96/27	RTMP/RTMPs: live.sgp2.ovp.kaltura.com
VOD Playback	HTTPS (port 443)	N/A	cfvod.sgp2.ovp.kaltura.com vodcdn.sg.kaltura.com

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Service	Protocols Supported	IP Addresses	URLs
Live Playback	HTTPS (port 443)	N/A	cflive.sgp2.ovp.kaltura.com
Analytics	HTTPS (port 443)	N/A	analytics.sg.kaltura.com analytics.sgp2.ovp.kaltura.com

Canada Region

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	18.99.0.144/28	api.ca.kaltura.com api.cap2.ovp.kaltura.com sso.ca.kaltura.com
Rich Media CMS, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	18.99.0.144/28	kmc.ca.kaltura.com push.cap2.ovp.kaltura.com upload.cap2.ovp.kaltura.com upload.ca.kaltura.com async.cap2.ovp.kaltura.com ecdn-monitor.ca.kaltura.com
legacy Video Portal, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	*.cap2.mediaspace.kaltura.com *.mediaspace.ca.kaltura.com assets.mediaspace.ca.kaltura.com
Live Egress	RTMP (port 1935) RTMPS (port 443) SRT (port 7045)	18.99.0.144/28	RTMP/RTMPs: live.cap2.ovp.kaltura.com

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Service	Protocols Supported	IP Addresses	URLs
VOD Playback	HTTPS (port 443)	N/A	cfvod.cap2.ovp.kaltura.com vodcdn.ca.kaltura.com
Live Playback	HTTPS (port 443)	N/A	cflive.cap2.ovp.kaltura.com
Analytics	HTTPS (port 443)	N/A	analytics.ca.kaltura.com analytics.cap2.ovp.kaltura.com

APAC Region (Australia)

Service	Protocols Supported	IP Addresses	URLs
API	HTTPS (port 443)	3.27.166.160/27	api.ap.kaltura.com api.syp2.ovp.kaltura.com sso.ap.kaltura.com
Rich Media CMS, KEA, Lecture Capture, Upload, Pubsub, Async, authentication, SSO, Event Platform	HTTPS (port 443)	3.27.166.160/27	kmc.ap.kaltura.com push.syp2.ovp.kaltura.com upload.syp2.ovp.kaltura.com upload.ap.kaltura.com async.syp2.ovp.kaltura.com ecdn-monitor.ap.kaltura.com
legacy Video Portal, KAF	HTTPS (port 443)	162.159.136.91/32 162.159.135.91/32	*.syp2.mediaspace.kaltura.com *.mediaspace.ap.kaltura.com assets.mediaspace.ap.kaltura.com

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

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