

Gale Network Requirements

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1. Overview

The following document outlines the network requirements for services used by the Gale platform. Failure to meet these requirements may cause an interruption in service and possible unexpected behavior.

2. Network Requirements

To ensure sufficient video quality, a strong wireless network is required. A minimum bandwidth of 5 MB/s download and 5 Mb/s upload is required if the line will not be shared with other users. Greater speeds will be required if there is other traffic on the network.

3. Firewall Ports/Rules

The following IP addresses and ports must be allowed in order to run the associated services.

Server	Protocol	Port	Purpose
zoom.us	TCP		Zoom video calls
prxy.19labs.com	https,wss	443	proxy communications
careproviderprd.19labs.com careprovider.19labs.com	https	443	configuration creation
cc.19labs.com	https	443	Call center.
builds.19labs.com (52.27.16.98)	https	443	content / update download
api.19labs.com	https (MA)	5002	event logging, policy , configuration update
smtp.gmail.com	tcp	465	Email Service
*	https/http	443,80	Home page (configurable to any accessible web page)
*	https	443	Wellness page (configurable to any HIPAA compliant web page)
time.android.com	udp	123	Network time

Zoom

To configure your network firewall, please see the following table. All rules should be applied both inbound and outbound.

Available at:

<https://support.zoom.us/hc/en-us/articles/201362683-Network-firewall-or-proxy-server-settings-for-Zoom>

Protocol	Ports	Source	Destination
TCP	80,443	All Zoom clients	*.zoom.us
TCP	443,8801,8802	All Zoom clients	*.zoom.us
UDP	3478, 3479, 8801 - 8810	All zoom Clients	*.zoom.us

TCP	443, 8801, 8802	All Zoom clients	IPv4: 3.7.35.0/25 3.21.137.128/25 3.22.11.0/24 3.23.93.0/24 3.25.41.128/25 3.25.42.0/25 3.25.49.0/24 3.80.20.128/25 3.96.19.0/24 3.101.32.128/25 3.101.52.0/25 3.104.34.128/25 3.120.121.0/25 3.127.194.128/25 3.208.72.0/25 3.211.241.0/25 3.235.69.0/25 3.235.82.0/23 3.235.71.128/25 3.235.72.128/25 3.235.73.0/25 3.235.96.0/23 4.34.125.128/25 4.35.64.128/25 8.5.128.0/23 13.52.6.128/25 13.52.146.0/25
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			18.157.88.0/24
			18.205.93.128/25
			50.239.202.0/23
			50.239.204.0/24
			52.61.100.128/25
			52.81.151.128/25
			52.81.215.0/24
			52.202.62.192/26
			52.215.168.0/25
			64.125.62.0/24
			64.211.144.0/24
			65.39.152.0/24
			69.174.57.0/24
			69.174.108.0/22
			99.79.20.0/25
			101.36.167.0/24
			103.122.166.0/23
			111.33.115.0/25
			111.33.181.0/25
			115.110.154.192/26
			115.114.56.192/26
			115.114.115.0/26
			115.114.131.0/26
			120.29.148.0/24
			129.151.0.0/20
			129.159.0.0/20
			130.61.164.0/22
			134.224.0.0/16

			140.238.128.0/24 140.238.232.0/22 144.195.0.0/16 147.124.96.0/19 149.137.0.0/17 152.67.20.0/24 152.67.118.0/24 152.67.168.0/22 152.67.180.0/24 152.67.184.0/22 152.67.240.0/21 158.101.64.0/24 160.1.56.128/25 161.189.199.0/25 161.199.136.0/22 162.12.232.0/22 162.255.36.0/22 165.254.88.0/23 168.138.16.0/22 168.138.48.0/24 168.138.56.0/21 168.138.72.0/24 168.138.74.0/25 168.138.96.0/22 168.138.116.0/22 168.138.244.0/24 170.114.0.0/16 173.231.80.0/20
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			192.204.12.0/22 193.122.32.0/22 193.122.36.0/22 193.122.208.0/20 193.122.224.0/20 193.122.240.0/20 193.123.0.0/19 193.123.40.0/22 193.123.44.0/22 193.123.128.0/19 193.123.168.0/21 193.123.192.0/19 198.251.128.0/17 202.177.207.128/27 204.80.104.0/21 204.141.28.0/22 207.226.132.0/24 209.9.211.0/24 209.9.215.0/24 213.19.144.0/24 213.19.153.0/24 213.244.140.0/24 221.122.88.64/27 221.122.88.128/25 221.122.89.128/25 221.123.139.192/27 IPv6: 2620:123:2000::/40
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UDP	3478, 3479, 8801 - 8810	All Zoom clients	IPv4: 3.7.35.0/25 3.21.137.128/25 3.22.11.0/24 3.23.93.0/24 3.25.41.128/25 3.25.42.0/25 3.25.49.0/24 3.80.20.128/25 3.96.19.0/24 3.101.32.128/25 3.101.52.0/25 3.104.34.128/25 3.120.121.0/25 3.127.194.128/25 3.208.72.0/25 3.211.241.0/25 3.235.69.0/25 3.235.82.0/23 3.235.71.128/25 3.235.72.128/25 3.235.73.0/25 3.235.96.0/23 4.34.125.128/25 4.35.64.128/25 8.5.128.0/23 13.52.6.128/25 13.52.146.0/25
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			18.157.88.0/24
			18.205.93.128/25
			50.239.202.0/23
			50.239.204.0/24
			52.61.100.128/25
			52.81.151.128/25
			52.81.215.0/24
			52.202.62.192/26
			52.215.168.0/25
			64.125.62.0/24
			64.211.144.0/24
			65.39.152.0/24
			69.174.57.0/24
			69.174.108.0/22
			99.79.20.0/25
			101.36.167.0/24
			103.122.166.0/23
			111.33.115.0/25
			111.33.181.0/25
			115.110.154.192/26
			115.114.56.192/26
			115.114.115.0/26
			115.114.131.0/26
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			129.151.0.0/20
			129.159.0.0/20
			130.61.164.0/22
			134.224.0.0/16

			140.238.128.0/24 140.238.232.0/22 144.195.0.0/16 147.124.96.0/19 149.137.0.0/17 152.67.20.0/24 152.67.118.0/24 152.67.168.0/22 152.67.180.0/24 152.67.184.0/22 152.67.240.0/21 158.101.64.0/24 160.1.56.128/25 161.189.199.0/25 161.199.136.0/22 162.12.232.0/22 162.255.36.0/22 165.254.88.0/23 168.138.16.0/22 168.138.48.0/24 168.138.56.0/21 168.138.72.0/24 168.138.74.0/25 168.138.96.0/22 168.138.116.0/22 168.138.244.0/24 170.114.0.0/16 173.231.80.0/20
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