



Firewall Requirements V 1.8

Updated at: 6/6/21

Related versions numbers:

- temi :14654
- Mobile : android:1.3.8399, IOS: 1.1.45
- temi center: 21.05.3101

1.temi clients(robot, mobiles and center) to temi backend communication.

Those are mandatory for temi's clients to function properly

Number	Destination ports	Protocol	Transport	Destination Domains	Services	Direction
1	80,443	HTTP,HTTPS	TCP	• api.temi.cloud • api.robotemi.com	API (required for all clients)	Outbound
2	443	MQTTS	TCP	broker.temi.cloud	MQTT Broker. (required for temi and mobile)	Outbound
3	443	WSS	TCP	broker-wss.temi.cloud	MQTT Broker.(required for temi center)	Outbound
4	443	HTTPS	TCP	• haine.approval.com • att-robotemi.approvr.io	Device Anti tampering protection	Outbound

					(required for the mobile and temi)	
5	443 , 8883	HTTPS	TCP	• launch-3.firedome.io • cdn.firedome.io • auth-3.firedome.io • mqtt.googleapis.com • api.ipify.org	Security Agent (required for temi)	Outbound
6	53	DNS	UDP		DNS service. Business can choose to use it's own DNS protocol	Outbound
7	443	HTTPS	TCP	temi-ota-updates.s3-accelerate.amazonaws.com	S3 Buckets for getting OTA (required for temi)	Outbound

2.temi robot to external services

Those are mandatory for some features of temi robot (described in the document).

User might decide to enable or block by his needs

Number	Destination ports	Protocol	Transport	Destination Domains	Services	Direction
1	443	gRPC, HTTPS	TCP	• dialogflow.cloud.google.com • dialogflow.googleapis.com	Natural Language Processing (required for temi to have voice interactions)	Outbound
2	443	gRPC, HTTPS	TCP	speech.googleapis.com	ASR (required for temi to have voice interactions)	Outbound
3	443	HTTPS	TCP	oauth2.googleapis.com	Google token (required for temi have voice interactions)	Outbound
4	443	gRPC, HTTPS	TCP	texttospeech.googleapis.com	Google Text To Speech (required for the robot to speak)	Outbound

5	443	HTTPS	TCP	• eastus.api.cognitive.microsoft.com • eastus.tts.speech.microsoft.com • southeastasia.tts.speech.microsoft.com • southeastasia.api.cognitive.microsoft.com • eastus.tts.speech.microsoft.com • Tts-ingress-prod-7.eastus.cloudapp.azure.com	Azure Text To Speech (required for the robot to speak)	Outbound
6	443	HTTPS	TCP	roboteam-assets.s3.eu-central-1.amazonaws.com	S3 buckets for tutorials (required for the application which shows tutorials on the robot)	Outbound
7	443	HTTPS	TCP	s3.eu-central-1.amazonaws.com	S3 buckets for screensavers (required for the	Outbound

					robot to show a custom screen savers which were custom from the mobile app)	
8	443	HTTPS	TCP	temi-media-public.s3.amazonaws.com	S3 buckets for user profile image (required for the robots to show the profile pictures of it's contacts)	Outbound
9	443,80	HTTPS, HTTP	TCP	- oss-us-east-1.aliyuncs.com - production-user-storage-private-virginia.oss-us-east-1.aliyuncs.com	Alibaba Buckets for getting uploaded media from temi center (required for the robot to show all the uploaded media)	Outbound
10	443	HTTPS	TCP	www.youtube.com	Youtube API for	Outbound

				• i.ytimg.com • www.googleapis.com • yt3.ggpht.com • s.youtube.com • youtube-ui.l.google.com • s.youtube.com • youtubei.googleapis.com • *.googlevideo.com	youtube skill(The application that plays Youtube from the robot)	
11	443	HTTPS	TCP	• newsapi.org • cdn.cnn.com	News API for the News skill	Outbound
12	443	HTTPS	TCP	• api.darksky.net • geomobilservices-pa.googleapis.com	Weather API and reverse geo location for the Weather skill (required by the weather application)	Outbound
13	443	HTTPS	TCP	• yelp-com.map.fastly.net • s3-media1.fl.yelpcdn.com • s3-media2.fl.yelpcdn.com • s3-media3.fl.yelpcdn.com • s3-media4.fl.yelpcdn.com • f2.shared.global.fastly.net	Yelp API for the Find skill	Outbound

				• api.yelp.com		
14	443	HTTPS	TCP	in.appcenter.ms	temi analytics data (this is used to get usage analytics)	Outbound
15	443	HTTPS	TCP	• iheartmedia.map.fastly.net • us.api.iheart.com • *.revma.ihrhls.com • image.iheart.com	I Heart API for the IHeart Music skill	Outbound
16	80 , 443	HTTP, HTTPS	TCP	• us.api.iheart.com • dualstack.prod.iheart.map.fastly.net • stream.revma.ihrhls.com • stream-a.revma.ihrhls.com • n3ca-e2.revma.ihrhls.com	I Heart API for the IHeart Music skill	Outbound
17	443	HTTPS	TCP	• alexa.eu.gateway.devices.a2z.com • alexa.fe.gateway.devices.a2z.com • alexa.na.gateway.devices.a2z.com	Alexa (required for Alexa)	Outbound

				• avs-alexa-fe.amazon.com • avs-alexa-eu.amazon.com • avs-alexa-na.amazon.com • api.amazon.com • spectrum.s3.amazonaws.com • *.cloudfront.net • s3.amazonaws.com • s3-1-w.amazonaws.com • tinytts.amazon.com • media.amazon.map.fastly.net • bob-dispatch-prod-na.amazon.com • api.amazonalexa.com		
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18	8443	Other	UDP	• 107.155.14.132 • 69.28.51.142 • 128.1.78.146 • 128.1.77.34 • 128.1.87.146 • 125.88.159.163 • 140.210.77.68	Used for the video call service (Required to successfully establish a video call between two clients) Require firewall enablement on temi from the settings menu	Outbound
19	8001 - 8005, 4590 - 4600	Other	UDP	• 148.153.53.106 • 148.153.53.105 • 128.1.78.94 • 164.52.53.78 • 164.52.53.77 • 106.3.140.195 • 106.3.140.194	Used for the video call service (Required to successfully establish a video call between two clients)	Outbound

					Require firewall enablement on temi from the settings menu	
20	443	HTTPS	TCP	*.cloudfront.net us1-cdn.openchannel.io	temi store apps	Outbound

3. temi mobile to external services

Those are mandatory for some features of temi mobile apps(described in the document). User might decide to enable or block by his needs

Number	Destination ports	Protocol	Transport	Destination Domains	Services	Direction
1	443	HTTPS	TCP	*.pushy.me *.pushy.io	Push notification service (Required for the application to get incoming call while its turned off or in the background)	Outbound

2	8443	Other	UDP	• 107.155.14.132 • 69.28.51.142 • 128.1.78.146 • 128.1.77.34 • 128.1.87.146 • 125.88.159.163 • 140.210.77.68	Used for the video call service (Required to successfully establish a video call between two clients) Require firewall enablement on the mobile app settings	Outbound
3	8001 - 8005, 4590 - 4600	Other	UDP	• 148.153.53.106 • 148.153.53.105 • 128.1.78.94 • 164.52.53.78 • 164.52.53.77 • 106.3.140.195 • 106.3.140.194	Used for the video call service (Required to successfully establish a video call between two clients)	Outbound

					Require firewall enablement on the mobile app	
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4. temi center to external services

Those are mandatory for some features of temi center(described in the document).

User might decide to enable or block by his needs

Number	Destination ports	Protocol	Transport	Destination Domains	Services	Direction
1	443	HTTPS	TCP	*.pushy.me *.pushy.io	Push notifications service. This is for triggering incoming call notification on chrome browser when the user is logged off	Outbound
2	443	HTTPS	TCP	center.robotemi.com	temi center domain	Outbound

3	443	HTTPS	TCP	• webrtc-cloud-proxy.sd-rtn.com • ap-proxy-1.agora.io • ap-proxy-2.agora.io • webcs.agora.io	Used for the video call service (Required to successfully establish a video call between two clients) Require firewall enablement on temi center	Outbound
4	443	HTTPS, WSS	TCP	• 47.74.211.17 • 47.245.7.250 • 161.117.177.218 • 35.169.70.181 • 47.252.17.251 • 47.88.100.94	Used for the Video call service (Required to successfully establish a video call between two clients) Require firewall	Outbound

					enablement on temi center	
5	443	Other	TCP,UDP	Japan • 164.52.24.41 • 164.52.24.42 • 164.52.6.29 • 164.52.24.44 • 164.52.24.43 • 103.101.12.5.21 • 103.101.12.5.26 • 103.101.12.5.20 • 103.101.12.5.22 • 103.101.12.5.23 Singapore • 164.52.103.188 • 164.52.103.187 • 164.52.103.189 • 164.52.103.8 • 164.52.103.9	Used for the Video call service (Required to successfully establish a video call between two clients) Require firewall enablement on temi center	

				North America • 148.153.10 9.60 • 148.153.10 9.62 • 148.153.10 9.51 • 148.153.10 9.58 • 148.153.10 9.59 • 148.153.10 9.61 • 148.153.10 9.52 • 148.153.10 9.50 • 148.153.10 9.49 • 148.153.10 9.53 • 148.153.16 3.40 • 148.153.16 3.41 • 148.153.16 3.42 • 148.153.16 3.43 • 148.153.16 3.44 • 148.153.16 3.45 • 148.153.16 3.46 • 148.153.16 3.47 • 148.153.16 3.48		
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				148.153.163.49		
6	443	HTTPS	TCP	global.localizedn.com	Used to access translation services	Outbound
7	443	HTTPS	TCP	google-analytics.com	Used to access analytics services	Outbound
8	443	HTTPS	TCP	googletagmanager.com	Used to access tag manager services	Outbound
9	443	HTTPS	TCP	temi-media-public.s3.amazonaws.com	Used to download temi center public contacts pictures	Outbound
10	443	HTTPS	TCP	production-user-storage-private-virginia.oss-us-east-1.aliyuncs.com	Used to download and upload user media	Outbound