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# IP PROTOCOLES ET ALLOCATION DE PORTS CENTREX V1



## 1. Public networks subnets

	IPV4	IPV6
<b>DATA</b>	5.144.142.32/27	2a00:e00:0:8::/64
<b>VOICE</b>	195.200.102.96/27	2a00:e00:0:9::/64

## 2. IP protocols and ports allocation

### 2.1 Data networks

Source and Destination IP(s)	FQDN	PROTOCOL	PORTS	COMMENT
5.144.142.33 5.144.142.34-35 (fw)	N/A	N/A	N/A	Informative: Main NATed public IPv4 for all outgoing traffic from the cluster's network is going thru the firewall towards public internet.
5.144.142.36 (GS) 2a00:e00:0:8::36 (GS) 5.144.142.37 (PAR3) 2a00:e00:0:8::37 (PAR3)	*.eupcloud.io nservice.webapps.eupcloud.io mtx.eupchat.online	HTTP and HTTPS	80 443	Wildcard entry to catch all DATA services like mytelephony, myistra, cdr, mtx.eupchat.online will only be used for group chat.  Load balancing is done by DNS entries and automatically updated in case of service failure. Note: the HTTP (80) is redirected to HTTPS (443).
5.144.142.38 (GS) 2a00:e00:0:8::38 (GS) 5.144.142.39 (PAR3) 2a00:e00:0:8::39 (PAR3)	pvsx1.eucloud.io	HTTPS (with mutual TLS validation)	443	Used by IP Phones to gather their configuration files. Only certified... ...IPhones can connect
5.144.142.36 (GS) 2a00:e00:0:8::36 (GS) 5.144.142.37 (PAR3) 2a00:e00:0:8::37 (PAR3)	pvsxlegacyonly.eupcloud.io (restricted)	HTTPS (IP validation)	443	Legacy Phone Provisionning is allowed only after study cases (a request ticket is necessary). Only declared source IPs can be allowed.

2.2 SBC // VOIP ACCESS (IP Phone, Softphone, PBX trunking)

Source and Destination IP(s)	FQDN	PROTOCOL	PORTS	COMMENT
195.200.102.110 (GS or PAR3) 2a00:e00:0:9::110 (GS or PAR3)	cprx1.eupcloud.io → inervice.access.eupcloud.io	SIP (UDP and TCP) RTP	6060 16000 - 65535	Unsecured SIP and RTP access on SBC for IPPhone that didn't support TLS.
195.200.102.111 (GS or PAR3) 2a00:e00:0:9::111 (GS or PAR3)	cprx1soft.eupcloud.io → inervice.access-sp.eupcloud.io	SIP (UDP and TCP) RTP	6060 16000 - 65535	Unsecured SIP and RTP access on SBC for softphone (myistra and mobiis).
195.200.102.112 (GS or PAR3) 2a00:e00:0:9::112 (GS or PAR3)	routing.eupcloud.io → inervice.pbxtanking.eupcloud.io	SIP (UDP and TCP) RTP	6060 16000 - 65535	Unsecured SIP and RTP access on SBC for pbxtanking traffic.
195.200.102.113 (GS or PAR3) 2a00:e00:0:9::113 (GS or PAR3)	cprx1s.eupcloud.io → inervice.access-tls.eupcloud.io	SIP-TLS (TCP) SRTP	5061 16000 - 65535	Secured SIP and RTP access on SBC for IPPhone that support TLS
195.200.102.114 (GS or PAR3) 2a00:e00:0:9::114 (GS or PAR3)	cprx1softs.eupcloud.io → inervice.access-sp-tls.eupcloud.io	SIP-TLS (TCP) SRTP	5061 16000 - 65535	Secured SIP and RTP access on SBC for softphone (myistra and mobiis).
195.200.102.115 (GS or PAR3) 2a00:e00:0:9::115 (GS or PAR3)	or PAR3) routings.eupcloud.io → inervice.pbxtanking-tls.eupcloud.io	SIP-TLS (TCP) SRTP	5061 16000 - 65535	Secured SIP and RTP access on SBC for pbxtanking traffic.

### 2.3 SBC // PEERING (BYoC)

Source and Destination IP(s)	FQDN	PROTOCOL	PORTS	COMMENT
195.200.102.100 (PAR3) 2a00:e00:0:9::100 (PAR3) 195.200.102.101 (GS) 2a00:e00:0:9::101 (GS)	peering1.eupcloud.io  peering2.eupcloud.io	SIP (UDP and TCP) RTP	<ul style="list-style-type: none"> <li>Specific port per project (5000 - 15000)</li> <li>16000 - 65535</li> </ul>	Ports are manually assigned during onboarding of the customer and its carrier. Note: we are assigning one port per carrier interco when possible.

### 2.4 MBC // WebRTC Media Relay Servers

Source and Destination IP(s)	FQDN	PROTOCOL	PORTS	COMMENT
195.200.102.105 (PAR3) 2a00:e00:0:9::105 (PAR3) 195.200.102.106 (GS) 2a00:e00:0:9::106 (GS)	mbc1.eupcloud.io  mbc2.eupcloud.io	WebRTC (UDP)	10000 - 60000	WebRTC media relays for all webrtc softphone instance. Load balancing is realised by the application.

### 2.5 External Services

Source and Destination IP(s)	FQDN	PROTOCOL	PORTS	COMMENT
Dynamic	stun.l.google.com stun1.l.google.com	STUN/TURN	19302	External service for WebRTC Client (web browser) is requesting those 2 servers to determine clients's media capability
Dynamic	iam.voipoperator.eu www.mymeetings.cloud	HTTPS	443	Coligo Istra Collab service
Dynamic	cm-xmpp.googleapis.com	HTTPS	5235	Google Firebase