

## *simplex Meeting*

### **Firewall Requirements for Participants**

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## 1 Overview

*simplex* Meeting leverages the official WebRTC standard for its audio and video conferencing solution. To conduct successful audio and video conferences, certain requirements need to be fulfilled by corporate firewalls. This document describes the minimal rules that need to be met.

## 2 Firewall Rules

### 2.1 Web server

IP: 46.231.206.225

TCP Ports: 80, 443

Normally HTTP traffic is not blocked by firewalls. Certain high-risk verticals prevent documents upload. If these corporations would like to allow documents sharing in Veeting they need to allow documents upload to the web server.

Allow **outgoing TCP traffic** to 46.231.206.225 on ports 80 and 443

**Important:** Also allow web socket connection.

### 2.2 STUN/TURN

IPs: **46.231.206.8, 46.231.206.9**

Hostname: ch-01-turn-01.wlvmr.net

UDP Ports: 80, 443, 3478-3479, 32768-65535

TCP Ports: 80, 443, 3478-3479, 32768-65535

STUN and TURN are technologies used to establish peer-to-peer connections between participants.

Allow **outgoing TCP and UDP traffic** from and to 46.231.206.8 and 46.231.206.9 on the following ports: 80, 443, 3478-3479, 32768-65535

### 2.3 Video Bridge

IPs: 80.74.152.96, 86.119.42.241, 86.119.41.70, 86.119.42.233, 94.126.19.216, 80.74.157.192, 80.74.157.70

Hostnames: http://xtendx-01-sfu-01.wlvmr.net, http://xtendx-02-sfu-01.wlvmr.net, http://xtendx-02-sfu-02.wlvmr.net, http://xtendx-02-sfu-03.wlvmr.net, https://ch-01-sfu-01.wlvmr.net, https://ch-01-sfu-02.wlvmr.net, https://ch-01-sfu-03.wlvmr.net

TCP Ports: 80, 443, 32768-65535

UDP Ports: 32768-65535

The video bridge is used for Boardroom, Webinar and Dial-in Meeting rooms. The browser will communicate with the video bridge through HTTP and will also establish an SRTP session to send and receive media.

Allow **outgoing TCP traffic** to 80.74.152.96, 86.119.42.241, 86.119.41.70, 86.119.42.233, 94.126.19.216, 80.74.157.192 and 80.74.157.70 on the following ports: 80, 443

Allow **outgoing TCP and UDP traffic** from and to 80.74.152.96, 86.119.42.241, 86.119.41.70, 86.119.42.233, 94.126.19.216, 80.74.157.192 and 80.74.157.70 on the following ports: 32768-65535

### 3 Summary

*simplex* Meeting requires the following servers and ports to be accessible as follow.

| IP             | Outgoing TCP Ports              | Outgoing UDP Ports              |
|----------------|---------------------------------|---------------------------------|
| 46.231.206.225 | 80, 443                         | -                               |
| 80.74.152.96   | 80, 443, 32768-65535            | 32768-65535                     |
| 86.119.42.241  | 80, 443, 32768-65535            | 32768-65535                     |
| 86.119.41.70   | 80, 443, 32768-65535            | 32768-65535                     |
| 86.119.42.233  | 80, 443, 32768-65535            | 32768-65535                     |
| 94.126.19.216  | 80, 443, 32768-65535            | 32768-65535                     |
| 80.74.157.192  | 80, 443, 32768-65535            | 32768-65535                     |
| 80.74.157.70   | 80, 443, 32768-65535            | 32768-65535                     |
| 46.231.206.8   | 80, 443, 3478-3479, 32768-65535 | 80, 443, 3478-3479, 32768-65535 |
| 46.231.206.9   | 80, 443, 3478-3479, 32768-65535 | 80, 443, 3478-3479, 32768-65535 |