

HELO

Ports Required for Streaming Protocols

Introduction

This document indicates the general port requirements for outgoing and incoming ports for streaming on HELO. The configurations described below can be implemented in the HELO web interface. Certain configurations for specific Content Delivery Networks (CDNs) are described in the manual. For additional details, please see "Chapter 5 – HELO Web Interface" and "Chapter 6 – CDNs and Clients" in the HELO Installation and Operation Guide.

Outgoing Ports

RTMP

By default, outgoing connections are made on port TCP 1935 for RTMP streaming. A different port number may be specified in the RTMP URL. To specify port number 1935, the URL would follow this format:

```
rtmp://127.0.0.1:1935/live
```

RTP

The RTP protocol uses outgoing UDP ports for streaming. The port number must be specified in the streaming URL. For example, to specify port number 5234, the URL would follow this format:

```
udp://10.0.0.1:5234
```

Incoming Ports

RTSP

RTSP streaming is performed over incoming TCP connections to HELO. Specify the port on which the incoming connection should be made by using the RTSP Port sliding control. The default port number used is 554.

NOTE: For RTSP, to avoid failure, the selected incoming port must **not** be port 80 or 443 because they conflict with HELO's web interface http and https services.

HLS

HLS streaming works over incoming HTTP/HTTPS connections to HELO. When HTTP is in use, this is over incoming TCP port 80. When HTTPS is enabled, incoming TCP port 443 is also used.