

Presentation Server – Protocols and Port Usage

Installation Notes

Information for the IT Staff and Firewall Administrators

PROTOCOLS AND PORT NUMBERS FOR THE PRESENTATION SERVER

The Presentation Server uses these protocols and ports:

SSH Protocol

SSH is used to access the server remotely for maintenance updates and diagnostic work. The default port number is used, and it is always TCP port 22.

HTTP Protocol

The Presentation Server uses HTTP protocol to present the Media Gallery, Administrative Pages, and to allow connection from Presentation Recorders. These pages are delivered via TCP port 80 and/or TCP port 8080.

The Server connects to outside repositories via HTTP to download updated software packages and security fixes.

HTTPS Protocol

The Server can be configured to provide SSL secure access to the Administrative Pages and the Media Gallery. In this scenario TCP port 443 is used.

RTMP Streaming Video (for Desktops/Flash Players)

The Presentation Server accepts RTMP traffic on TCP port 1935 from Presentation Recorders engaged in live streaming. Also, RTMP clients (typically Flash players) connect to TCP port 1935 for rendering video on a web page.

HLS (HTTP Live Streaming / HTTP Streaming) – for iPhones, iPads

HTTP Live Streaming is served on TCP port 80.

RTSP Streaming

For RTSP Streaming (Android based devices) TCP port number 554 is used. However, with RTSP streaming there is also UDP traffic, and if you are using RTSP as the source of live streaming, it is recommended to open/forward all UDP ports to the server or at least those in range from of 6970-9999 for incoming traffic. Outgoing port numbers for UDP traffic are specified by the receiving device, so it is recommended to open all UDP ports for outgoing traffic.

NTP (Network Time Protocol)

To keep accurate time, the Server contacts external time servers using UDP on port 123.