

6. Network Topology

Vidyo Server for WebRTC has two standard configurable interfaces: the Production Interface and the Management Interface. These interfaces are configured in the Vidyo Server console menu.

While enabling the Management Interface is optional, it is recommended for improved security. If the Management Interface is not enabled, then all admin web pages run on the Production Interface.

Optionally, a second IP address on the same subnet as the Production Interface may be configured via the Admin Web Interface *Configuration > Advanced* subtab for the Media Relay (TURN server).

Note The Production interface have either a public Internet IP address, or a 1:1 NAT – a DMZ IP address that maps directly to the public IP address on the other side of a Firewall.

The WebRTC server must be able to reach the VidyoPortal and VidyoRouter from the Production Interface without using VidyoProxy.

As with all Vidyo Servers, for improved security it is suggested that the Management Interface be an isolated network configured to allow connections from the corporate LAN, but not allowed to make connections out to the corporate LAN.

The following table lists the Vidyo Server for WebRTC port usage:

Type	Number or Range	Direction	Interface	Usage
TCP	80 and/or 443 (recommended) or configurable to any port	In	Management*	Admin Web Interface
TCP	22 (recommended) or 2222	In	Management*	ssh – access from the Internet should be blocked
TCP	443 (recommended) or 80	In	Production	WebRTC and Session Manager signaling
UDP	60000-61000	Both	Production	SRTP – it is optional to open these ports; if blocked media will be proxied using TURN
UDP and TCP	3478	In	Production	TURN – TURN may be optionally configured on a different IP address on any port

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Type	Number or Range	Direction	Interface	Usage
UDP and TCP	3478	Out	Production	STUN
TCP	80 or 443	Out	Production	VidyoPortal Web Services APIs
TCP	17992	Out	Production	VidyoManager EMCP
TCP	17990	Out	Production	VidyoRouter SCIP

*Management interface ports will run on the Production Interface if the Management Interface is not enabled

