

## \*Webex Services - Port Numbers and Protocols

Destination Port	Protocol	Description	Devices using this rule
443	TLS	<p>Webex HTTPS signaling.</p> <p>Session establishment to Webex services is based on defined URLs, rather than IP addresses.</p> <p>If you are using a proxy server, or your firewall supports DNS resolution; refer to the section "Domains and URLs that need to be accessed for Webex Services" to allow signaling access to Webex services.</p>	All
444	TLS	Video Mesh Node secure signaling to establish cascade media connections to the Webex cloud	Video Mesh Node
123 (1)	UDP	Network Time Protocol (NTP)	All
53 (1)	UDP TCP	<p>Domain Name System (DNS)</p> <p>Used for DNS lookups to discover the IP addresses of services in the Webex cloud.</p> <p>Most DNS queries are made over UDP; however, DNS queries may use TCP as well.</p>	All
5004 and 9000	SRTP over UDP	<p>Encrypted audio, video, and content sharing on the Webex App and Webex Room devices</p> <p>For a list of destination IP subnets refer to the section "IP subnets for Webex media services".</p>	<p>Webex App</p> <p>Webex Room Devices</p> <p>Video Mesh Nodes</p>
5004 and 9000	SRTP over TCP	<p>Used for encrypted content sharing on the Webex App and Webex Room devices</p> <p>TCP also serves as a fallback transport protocol for encrypted audio and video if UDP cannot be used.</p> <p>For a list of destination IP subnets refer to the section "IP subnets for Webex media services".</p>	<p>Webex App</p> <p>Webex Room Devices</p> <p>Video Mesh Nodes</p>

33434 (2)	<p>SRTP over UDP</p> <p>SRTP over TCP</p>	<p>Optional</p> <p>Port 33434 is used for encrypted media if port 5004 is blocked by your firewall.</p> <p>Note that a TCP socket on port 33434 will be established, but only used if connections failover TCP and UDP on port 5004 and UDP on port 33434. (2)</p> <p>For a list of destination IP subnets refer to the section "IP subnets for Webex media services".</p>	<p>Webex App</p> <p>Webex Room Devices</p>
443 (2)	SRTP over TLS	<p>Used as a fallback transport protocol for encrypted audio, video and content sharing if UDP and TCP cannot be used.</p> <p>Media over TLS is not recommended in production environments</p> <p>For a list of destination IP subnets refer to the section "IP subnets for Webex media services".</p>	<p>Webex App (3)</p> <p>Webex Room Devices</p>
(1)	If you are using NTP and DNS services within your enterprise network, then ports 53 and 123 do not need to be opened through your firewall.		
(2)	The recommendation to open your firewall for encrypted media traffic over UDP/TCP on port 33434 has been deprecated. However, Webex will still probe and use this port if port 5004 is not open.		
(3)	The Webex Web-based app and Webex SDK do not support media over TLS.		