



Vidyo[®] Server for WebRTC

Click to Collaborate



The Vidyo Server for WebRTC extends the Vidyo platform to include WebRTC capable browsers. Now join Vidyo conferences right from their web browser without any software installation. With a simple click-to-connect link, participants can enjoy up to HD video quality. The Vidyo Server for WebRTC is fully integrated with the Vidyo platform. This means participants joining through WebRTC can enjoy the interoperability delivered by the Vidyo platform including native Vidyo endpoints as well as third party H.323, SIP, and Microsoft[®] Skype for Business[®].

Deployed as a virtual machine, the Vidyo Server for WebRTC can be easily managed and scaled to meet demand. Concurrency is determined by flexible VidyoLine licenses that can float between native Vidyo endpoints and WebRTC clients as needed. Calls are secured through encryption using HTTPS, DTLS, and SRTP.

Key Features

Incredible User Experience

- Native WebRTC support for plug-in free videoconferencing
- Support for non-WebRTC browsers via VidyoWeb plug-in
- Full two-way video communications on ChromeBooks
- Multipoint video layouts with up to 6 viewable participants
- Click to connect ease of use
- HD quality video and content
- Share content with other participants* (Only available on Chrome. Requires installation of Chrome Extension)

Easy to Deploy & Manage

- Virtual server for easy deployment in your data center, colocation facility or in the cloud
- Dynamically scalable capacity based on provisioned resources
- Spin up new instances of Vidyo Server for WebRTC to rapidly cluster and add capacity
- Simplify administration, configuration and maintenance with web-based interface
- Secured media and signaling encryption
- Automatic firewall and NAT traversal with ICE, TURN, and STUN support
- Floating VidyoLine[™] licenses maximize utilization and keep costs down
- Integrate WebRTC video into your own app using the VidyoWorks API

Specifications

Supported WebRTC Client Browsers	Chrome Firefox (Optional VidyoWeb browser extension available for Internet Explorer, Safari, Chrome and FireFox. Extension requires installation but does not require the Vidyo Server for WebRTC)
Video	
WebRTC Video Codec	VP8, VP9
Video Encoding	Configurable maximum up to 1080p30
Video Decoding	Configurable maximum up to 1080p30
# of participants displayed simultaneously	6, plus self-view
Audio	
WebRTC Audio Codec	Opus
Automatic Echo Cancellation	Yes
Collaboration	
Share any application or entire screen	Yes (Chrome via extension, Firefox via white list)
Management	
Licensing	VidyoLine: When connected in conference, consumes a shared concurrent use license
Capacity Management	Automatic server capacity based on available resources
Server Clustering	Yes with dynamic load balancing
Administration Interfaces	Web admin, SSH, Console
Languages	English
Security	
Firewall and NAT Traversal	TURN, STUN, ICE, SRTP-over-TCP
Encryption	SSL, SRTP, AES-128
Server Requirements	
Hypervisor	VMWare ESXi 5.5 or higher recommended; 5.0 minimum supported
Recommended Server hardware	Intel-based servers with a Xeon CPU at 2.2GHz or faster, supporting Intel Sandy Bridge (or newer) architecture, with AES-NI and hyperthreading enabled, 1Gbps NIC



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