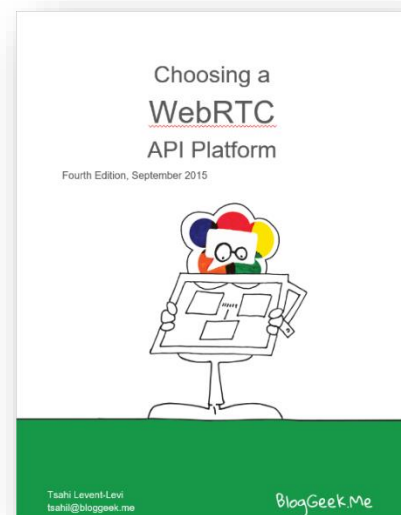


API Platform Vendors: Vidyo

This is an example of what you can expect to find for each vendor covered in the Choosing a WebRTC API Platform report, courtesy of Vidyo.

The following four pages include the information covering the [Vidyo.io](https://www.vidyo.io) capabilities related to WebRTC.



The full report covers the following active vendors:



The report is available for purchase online at <https://bloggeek.me/webrtc-paas-report>

Vidyo.io



At a glance

Focus	Enterprise proven multiparty scalable video APIs for mobile, web and native apps
Reference Customers	Alibaba, Philips, Bloomberg, Kaiser, Royal Bank of Canada, and hundreds of other companies use the Vidyo APIs. Reference customers for Vidyo.io are under Non-Disclosure Agreements and not available to the public at this time; a number of existing API customers are already evaluating their move to the Vidyo.io service
History & Pedigree	Vidyo started in 2005 and was first to leverage SVC and SFU for enterprise video conferences and has over 130 patents. In 2016, Vidyo opened their Vidyo.io API Platform for developers, leveraging both WebRTC and SVC
Main office	Hackensack, NJ (United States)
Size	~300 employees
Financials	Privately held, VC backed
Interesting stat	Vidyo.io uses SVC to deliver high video quality over mobile and public networks with packet loss up to 20%
Data centers	
Consider when	high quality video is what you need
Skip if	voice is your main focus

Overview

Vidyo, launched in 2005 in the enterprise video conferencing market, where it was the first to introduce Scalable Video Coding (SVC) and the Selective Forwarding Unit (SFU) server architecture also known as the VidyoRouter, moving away from the traditional transcoding-based Multipoint Control Unit (MCU) designs. This technology enables Vidyo to deliver a high quality video experience over lossy or mobile networks.

Unlike many of the traditional video conferencing vendors, Vidyo has offered its product with an embeddable API, which has been adopted throughout the years by companies like Alibaba, Bloomberg, CERN, Epic, Philips, Kaiser, Mayo Clinic, Royal Bank of Canada, NCR (ATMs), US Department of Defense, Ricoh, Mitel, Genband, West, Fuze and many others.

In recent years, Vidyo has been migrating its enterprise offering to a cloud based hosted service.

Vidyo APIs are used by Genesys to Vidyo-enable their contact centers for customer engagement and omnichannel experiences in Fintech and Retail and are included in the only video -integration with leading Electronic Health Record (EHR) providers like EPIC, Cerner and others.

Vidyo is collaborating with Google directly in adding SVC capabilities into the open source VP9 video codec, and is also leading the real-time subcommittee participating in the development of the next-generation AV1 codec in the Alliance for Open Media.

In 2016, Vidyo launched in beta their Vidyo.io platform, offering developers an easy way to embed video chat (1 on 1 as well as group) capabilities in their own business processes and flows. This new offering leverages Vidyo's technology in SVC and WebRTC,

In order to offer reliability and scalability, Vidyo is running on data centers of multiple providers in parallel; currently making use of both AWS and InterNAP.

In January 2017, Vidyo.io was officially launched.

Vidyo has been awarded over 130 patents worldwide, many of them in the domain of SVC and video routing.

Features and Capabilities

Vidyo.io makes use of XMPP for its signaling.

Basics

Voice	Yes	¹ In-call chat
Video	Yes	
Screen Sharing	Yes	
Presence	No	
Instant Messaging	Yes ¹	

Footprint

iOS SDK	Yes	² Supporting native apps on Windows and Mac
Android SDK	Yes	
PC SDK	Yes ²	
Fallback	Plugin	

Multipoint

Voice	Yes	Routing based, 100s active
Video	Yes	Routing based; 100s active; 16 displayed at a time

Interworking

Outbound dialing	Yes ³	^{3,4} Available via SIP trunking upon request
Inbound dialing	No	
SMS	No	
Number provisioning	No	
SIP connectivity	Yes ⁴	

Additional Capabilities

- Customizable layout control
- Wide set of supported platforms (Mac, Windows, Chrome, Firefox, Safari, IE9+, iOS, Android ARM/x86)
- Highly optimized codecs for mobile offering longer battery life and higher resolution
- Sharing applications and desktops into the conference
- Recording
- RTMP Streaming to CDNs

Documentation and Support

Vidyo.io provides their documentation as part of the main website. The bulk of the documentation is around the API reference and user guides.

Support is provided via an online ticketing system and email.

Deployment and Pricing

Vidyo.io bases its pricing on usage.

Pricing is calculated per minute per device (as opposed to the more common per minute per stream).

Deployment

Hosted PaaS	Yes
On premise	No

Pricing

Base monthly fee	Low ¹
Usage model	per minute per device
Support tiers	Single
Customization & consultancy	Available ²

¹A low monthly minimum fee that includes a bucket of prepaid minutes

²Through professional services

Investment

Added to report
Mar 2017