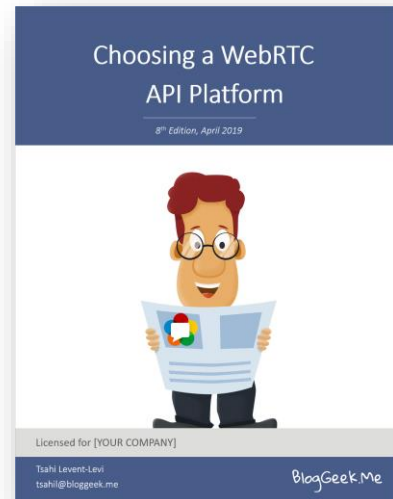


API Platform Vendors: Agora.io

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 Agora.io.



The following four pages include the information covering [Agora.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>

Agora.io



At a glance

Focus	Mobile video communications services
Reference Customers	<ul style="list-style-type: none">• Hike (get.hike.in)• Momo (www.immomo.com)• Talkspace (https://www.talkspace.com)• The Meet Group (themeetgroup.com)• Xiaomi (call.mi.com/)
History & Pedigree	Founded in 2014, Agora.io offers a communication platform-as-a-service (CPaaS) in real-time that allows developers to easily embed voice and video call or broadcasting, and text messaging on a global scale for mobile, web or desktop application
Main office	Santa Clara, CA (United States)
Size	Over 300 employees
Financials	Raised \$125M USD
Interesting stat	Its mobile SDK has been downloaded as part of customer apps over 500 million times
Data centers	Agora.io has hundreds of data centers across the globe
Consider when	you're looking for very low latency voice or video call solution over the public Internet, and broadcasting solution for very large group sessions (up to 1 million peak concurrent users)
Skip if	you're looking for traditional telephony

Overview

In the beginning, the founding team was trying to help solve an online gaming latency and packet loss problem. In that case, there were so many regional network providers that a signal traversing through multiple networks resulted in huge QoE challenge. After spending much time solving network quality issues, they eventually came up with a solution design idea which would later become Agora.io's SD-RTN™.

With the support from early investors, Agora.io was born. The core of the company revolves around Agora's SD-RTN™, a sophisticated communication network, which is combined with Agora's in-house audio and video codecs and signal processing to create high Quality of Experience.

Agora touts its competitive advantage as providing a much higher level of data packet delivery success and maintaining smoother RTC call experience compared vendors using the public internet or generic 3rd party vendor networks. Agora's products and services are completely powered by its own proprietary network, with smart route optimization algorithms, built and managed by Agora from the ground up to deliver audio/video quality in less than ideal, real-world connectivity conditions.

Agora focuses on delivering sub-second performance and efficient mobile data consumption on a global scale. Today Agora's SD-RTN™ delivers more than 12 billion combined live audio and video minutes per month.

Features and Capabilities

Agora.io's signaling is using a proprietary protocol.

Basics

Voice	Yes
Video	Yes
Screen Sharing	Yes
Presence	No
Instant Messaging	Yes

Footprint

iOS SDK	Yes ¹
Android SDK	Yes ¹
PC SDK	Yes ¹
Fallback	Plugin

¹Agora offers official SDKs for React Native, Electron, Unity, Cocos and Flutter

Multipoint

Voice	Yes
Video	Yes

Interworking

Outbound dialing	No
Inbound dialing	No
SMS	No
Number provisioning	No
SIP connectivity	No

Additional Capabilities

- Live broadcasting; up to 1,000,000 users concurrently
- AES 128/256 encryption support
- Image based video moderation
- CDN integration (file push to CDN)
- On-Prem and Cloud Recording support
- Real-time messaging
- Whiteboarding
- AR Facial Mask
- 3D Positional Voice Audio

Documentation and Support

Agora.io offers extensive documentation with quick start, developer guides and how to documents.

Support is offered via email and a ticketing system.

Deployment and Pricing

Agora.io is basing its pricing on a per minute use, along with the video resolution used.

Deployment

Hosted PaaS	Yes
On premise	Yes

Pricing

Base monthly fee	Free
Usage model	per minute ¹
Support tiers	Multiple tiers ²
Customization & consultancy	Available

¹Different video resolutions have different per minute pricing

²Enterprise tier includes 24/7 support

Investment

Added to report	Better browser support	Additional SDKs
Mar 2017	Dec 2017	Apr 2019