Video RTC

Video Real Time Communications

Video Gateway

Our Video Gateway platform connects peers or endpoints between WebRTC, RTMP and SIP technology to create advanced Video services. WebRTC (Web Real-Time Communication) is an API definition drafted by the World Wide Web Consortium (W3C) that supports browser-to-browser applications for voice calling, video chat, and messaging without the need of either internal or external plugins. RTMP is an open protocol for Adobe Flash Player compliant browsers. Video Gateway works in common hardware or Cloud VM servers configurations, providing a highly scalable base system to meet all customers' business and technical requirements.

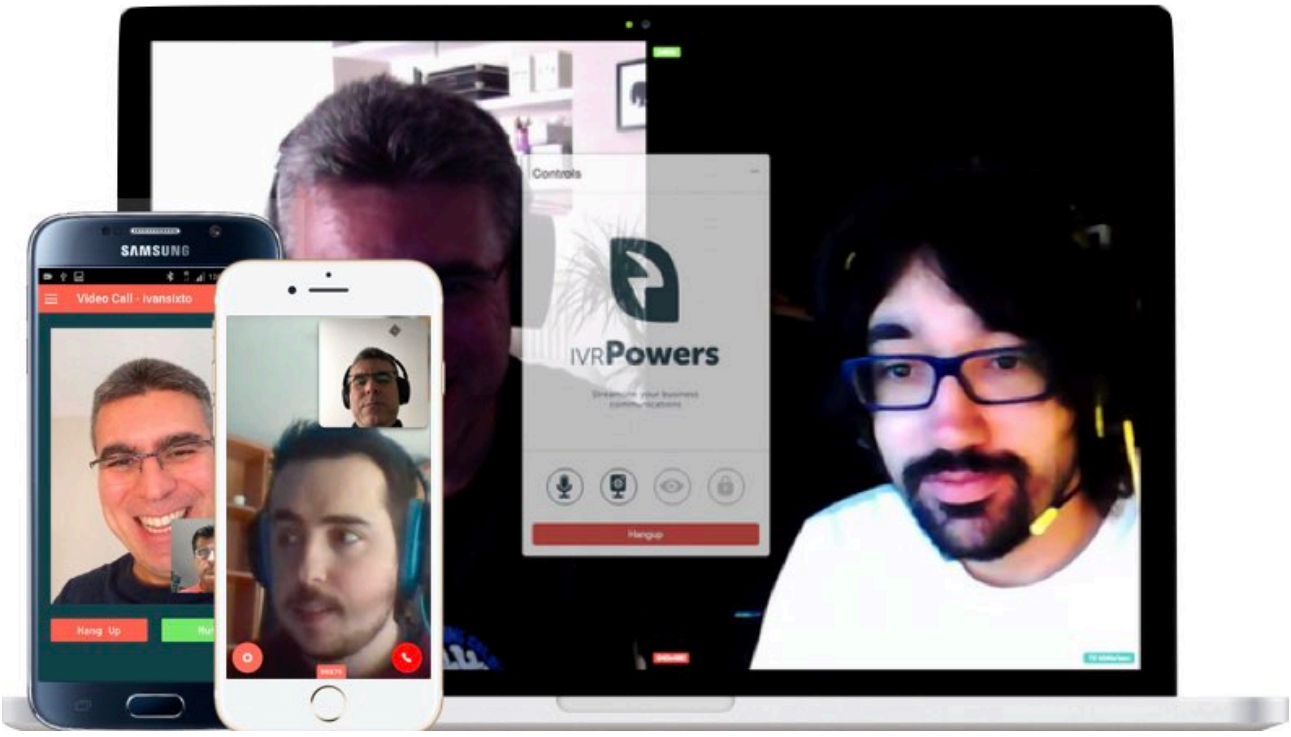
Key Benefits

Cloud Ready
Our Video Gateway solutions are software based and ready to run over Cloud environments and Virtual Servers. You can setup our Video RTC platforms over Amazon EC2 servers or any Private/ Public Cloud.

Contact Centers
Our Video Gateway is specifically designed to connect efficiently existing Contact Centers with our advanced SPLIT module running over SIP and adding live Video RTC to your business calls interactions.

Web Browsers
Our Video Gateway runs over all existing Web Browsers with native WebRTC inside functions and javascript. To connect others Web Browsers, we can add a special plugin and/or a Flash Player for RTMP.

Android & iOS
Our Video Gateway connects endpoints based in a native/hybrid Android or iOS app that you can create and customise according to your own requirements. Our Mobile SDK works with standard mobile development tools.



Special Extensions

This technology provides a secure access to all new modern devices thanks to an RTC channel for any Contact Center and extending all its communications capacity to Web Browsers, Kiosks, Smartphones or Tablets devices. Could you really manage any online marketing, sales or support without considering real-time interactions for your business processes. Today, most customers and users won't be only reaching you by phone, they are considering you can interact through any device or your online services.

> Phone is no longer the only direct channel, you have to connect more devices and services.

What kind of features are we expecting to use with RTC:

Live Chat
Video Gateway supports Live Chat feature through a DataChannel. You can customise all the User or Agent front-end in Flash or HTML5 according the gateway mode you have deployed for your service. Live Chat is designed to allow quick written messages between peers.

File Sharing
Video Gateway supports sending / receiving files between peers during a live session. You can customise both the User and Agent front-end in Flash or HTML5. File sharing can be linked to any kind of file directory and customised thanks to the DataChannel.

Screen Sharing
Video Gateway supports to share a screen or window from the Agent peers to manage an advanced Call Center interaction with Users. A special extension can be added on demand for your Video RTC projects and it works with most Web Browsers.

CoBrowsing
Video Gateway supports CoBrowsing to start sharing your current web session with a remote agent thru Datachannel and Live Chat. CoBrowsing can work during any phone call, video call, voice call or live chat to improve your business workflows.

Protocols

Our Video Gateways have two main product lines for:

WebRTC

Web Real Time Communication

The Web Real Time Communication (WebRTC) is an API definition drafted by the World Wide Web Consortium (W3C) that supports browser-to-browser applications for voice calling, video chat, file sharing without plugins.

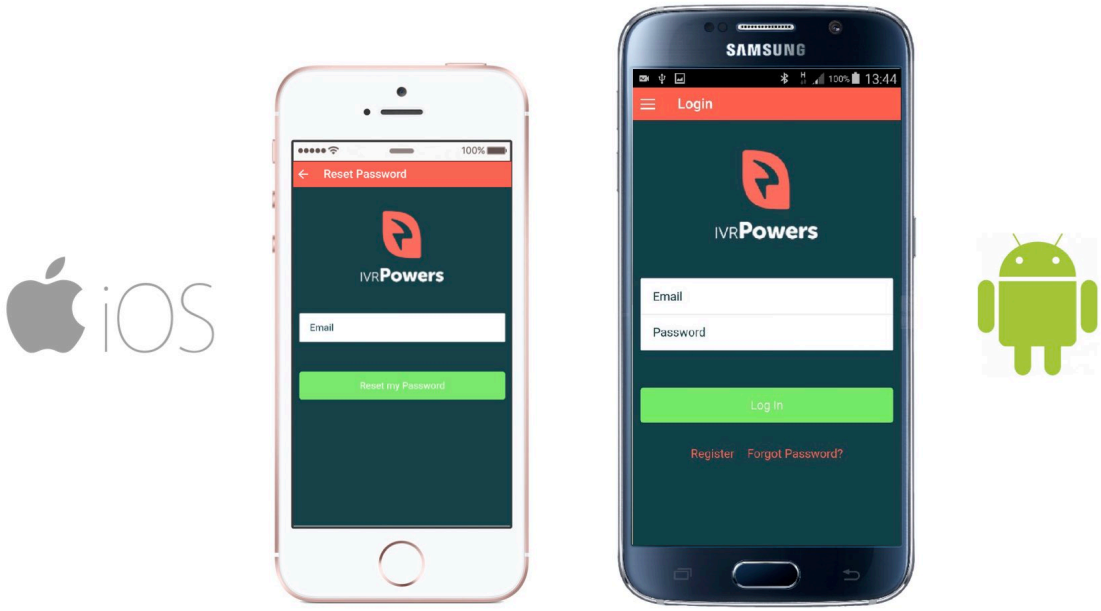
RTMP

Real Time Messaging Protocol

The Real Time Messaging Protocol (RTMP) is an open protocol developed by Macromedia / Adobe for streaming audio, video and data over the Internet, and ready to run with any Web Browser with a Flash Player installed.

Software Development Kit

Our Video RTC · Mobile SDK, you can easily add real-time video calling over a 3G/4G data connection or WiFi from your website or app. Interactive Powers offers high quality video communication and seamless integration into any existing mobile app. Mobile SDK is designed to run many common hybrid or open mobile framework like Ionic Framework, React Native...



Our SDK is based on our VideoRTC.js library and supports:

Cross-Platform
Seamless integration across iOS, Android & Web Javascript platforms.

Video & Audio Calling
Mute or Unmute audio and video calling as needed throughout a call.

Adaptive Resolution
Video will automatically adjust based on available bandwidth.

Snapshot Captures
Capture views during the video stream for effective conversation.

Live Chat , File Sharing, Screen Sharing
Dual Share messages, files, screens to create business web collaboration.

Video Recording
Video Recording is activated in settings or controlled by the user.

How to Setup

Our Video RTC platforms are designed to build easily and quickly smarter RTC services from simple web call system to a complete Communications Platform with Video Calling · Voice Calling · Live Chat · File Sharing · Screen Sharing · Snapshot...

In Summary:

- Carrier grade, scalable, high availability
- Voice, Video (WebRTC) in a single platform
- Full cloud deployment for multiple services
- Multiple Use Cases for any kind of processes
- Mobile SDK and templates for web browsers, iOS, Android
- Comprehensive VideoRTC.js API Framework

Available as:

- On Premises
- Cloud Hosting (SaaS or CPaaS)

System Requirements

Our Video Gateways are packaged and ready to be installed on minimal-instances on:

- AWS, Microsoft Azure, Google Cloud or your own IaaS / Datacenter:
- 2-8 cores per unit / 2-4 Gb RAM / SSD or HDD <40 Gb

Packages for:

- Linux Debian 8 64bit Server
- Linux Debian 9 64bit Server

About Interactive Powers

Interactive Powers provides Voice and Video Technologies for Cloud-based services and On Premises. Our VoiceXML IVR / Video RTC products provide easy-to-use, omnichannel, real-time communications, browser-driving interfaces, live chat, web collaboration, video calling, mobile app integration. Interactive Powers has offices in Europe (Madrid) and USA (Miami).

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