

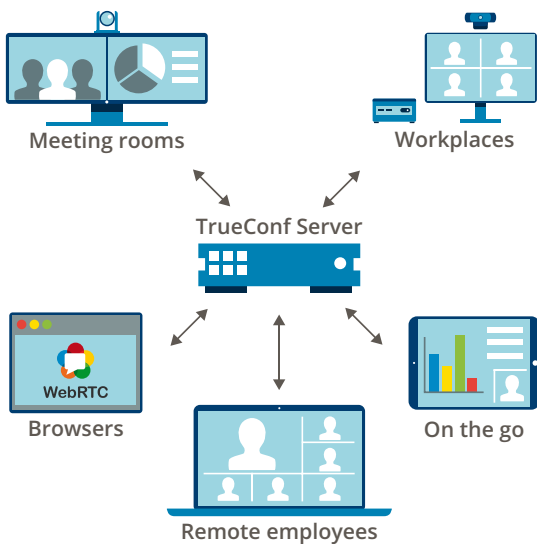


TrueConf



# Video Collaboration Without Limits

TrueConf provides award-winning video conferencing software to connect together desktops, mobiles, phones, Skype for Business<sup>®</sup>, H.323/SIP endpoints and much more across your entire organization.



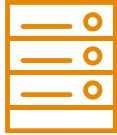
Tens of thousands of companies around the world trust us. TrueConf solutions are powered by 100% scalable software infrastructure and available as an on-premises server and a set of client applications for all popular platforms.

<p><b>TrueConf Native Apps</b></p>	<p><b>TrueConf Server Free</b> On-Premises for 12 Users</p>	<p><b>TrueConf Server</b> On-Premises for LAN/VPN</p>
------------------------------------	---	---



# Key Advantages

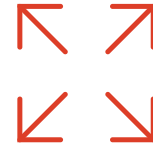
## New Generation Infrastructure



TrueConf makes MCUs obsolete. The scalable video coding (SVC) approach eliminates the need for transcoding of multipoint conferences and dramatically reduces infrastructure costs.

---

## Scalable Architecture



TrueConf can host hundreds of conferences and thousands of users on a regular PC. Server instances can be joined together to scale infinitely.

---

## UltraHD Video Quality



Thanks to TrueConf's native support for UltraHD video conferencing, you can finally make use of fancy 4K screen or video wall in your conference room.

---

## Transparent Licensing



We license only *online* users, the number of accounts is unlimited. The larger the license, the lower the price per user. We offer one-year and perpetual licenses.

---

## Secure Communications



TrueConf Server runs autonomously within the company's network, you have complete control over your communications. In addition, all communications are encrypted using AES.

---

## Hybrid Deployment



Federation settings allow you to create a common address space for multiple TrueConf Server instances. You can even scale it to TrueConf cloud making deployment hybrid.

---



# Native Applications



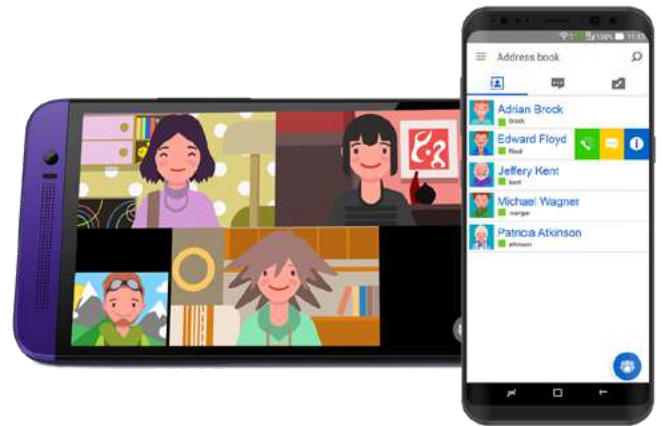
For Windows



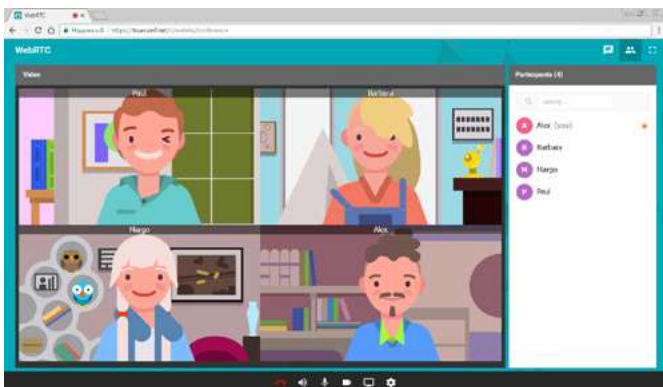
For iOS and watchOS



For macOS and Linux



For Android



For Browsers




For Rooms & Smart TVs




# Collaboration Tools



## Presence

 Ariana Wallace  
wallace

 Ian Taylor  
taylor



Every client application has an address book displaying users, their statuses, room endpoints, VoIP devices and groups.



## Messaging

<  Kevin Smith ▾

12:39  
Any updates on the project?

Multiple personal and group chat sessions with file transfer and media sharing are available for users on every platform.



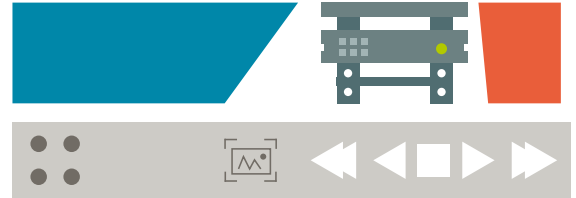
## Telephony

4 <sup>GHI</sup>	5 <sup>JKL</sup>	6 <sup>MNO</sup>	
7 <sup>PQRS</sup>	8 <sup>TUV</sup>	9 <sup>WXYZ</sup>	
*^	0+	#	

You can connect your VoIP service provider or PBX to TrueConf Server and use the dialpad in client apps to access telephony.



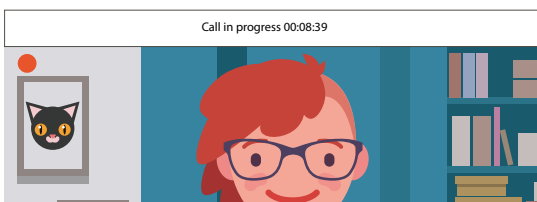
## Dual Video



Demonstrate slides, photos, or desktop during video conferences to third-party endpoints.




## Recording



Record point-to-point and group video conferencing sessions on your PC or set up rules for recording on the server side.



## FullHD Content Sharing

 Content Sharing

Capture Full Screen ▾

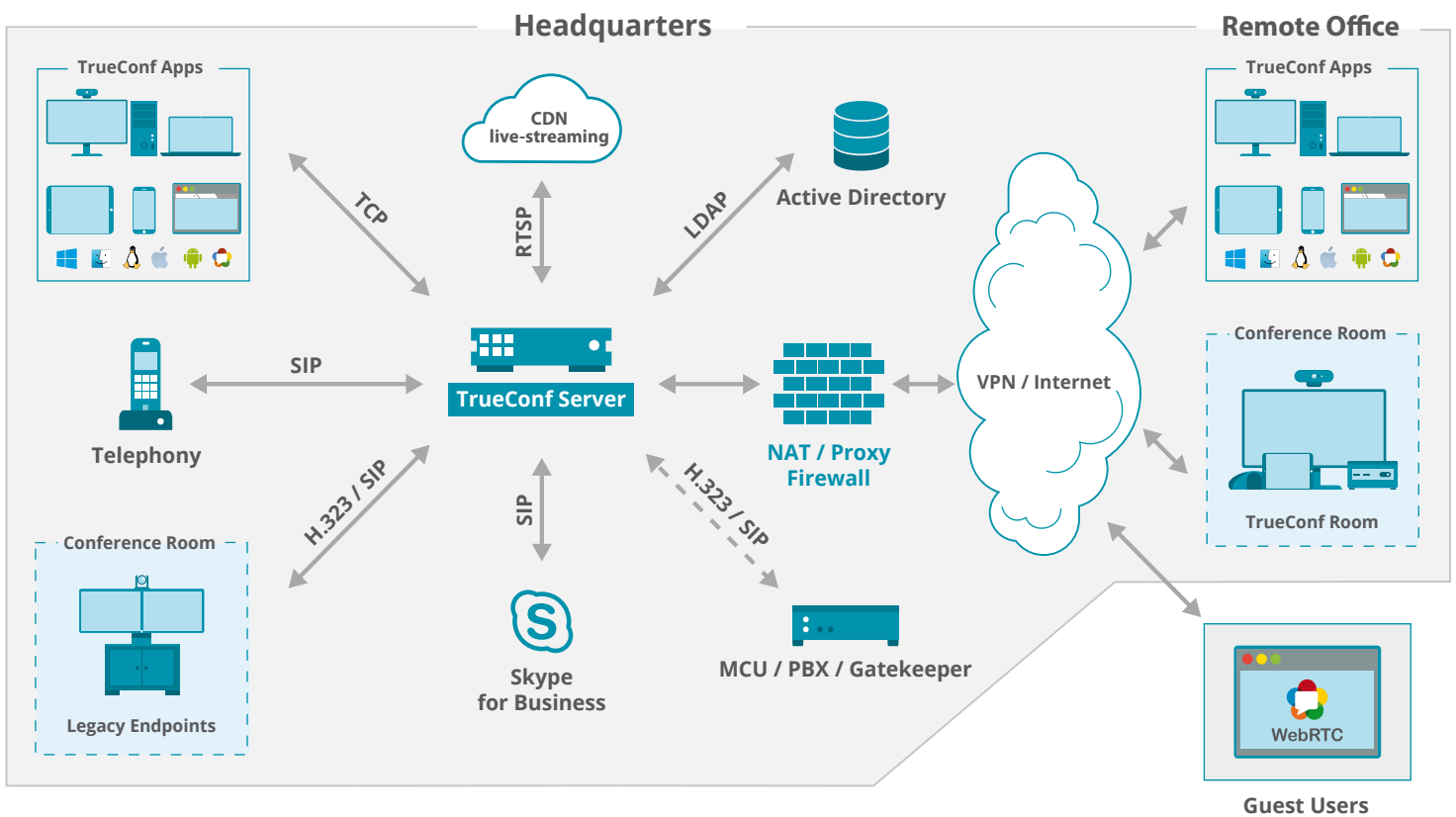
Display 1 (1920x1080) ✓

Share live content from your desktop or from any application window to conference participants on any platform.



# On-Premises TrueConf Server

TrueConf Server is the answer to all your video collaboration needs. Pure software solution based on SVC technology with infinite scalability possibilities and great interoperability.



- UltraHD video and wideband audio
- Recording and RTSP streaming
- Up to 250 users per conference
- Bundled with client applications
- Up to 3000 accounts per server
- Built-in web conferencing platform
- H.323/SIP/Skype for Business® gateway
- Handles NAT/Firewall traversal
- Active Directory integration
- Secured with TLS and AES-256

FREE Version  
for 12 users

UltraHD Video  
4K  
ULTRAHD

Easy setup  
15min

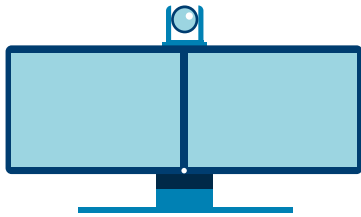
SVC  
Architecture

HD Audio



# Out-of-the-box Interoperability

## Standards-friendly



The built-in gateway provides complete integration with third-party endpoints, MCUs and gatekeepers via SIP, BFCP, H.323, H.239, FECC and other protocols.

---

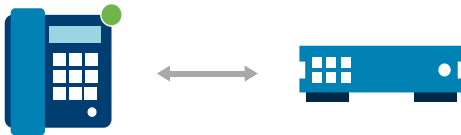
## Active Directory



Connect Active Directory or any other LDAP compatible catalogue to TrueConf Server. All user info and user groups will synchronize automatically.

---

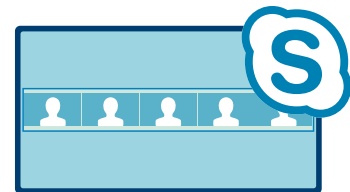
## Registration Capabilities



You can register VoIP devices or legacy video conferencing endpoints on the server and address them as regular TrueConf's users.

---

## Skype for Business



Call or invite Skype for Business® users into TrueConf conferences. Integration works in reverse direction as well, allowing SfB users to reach legacy endpoints or host webinars.

---

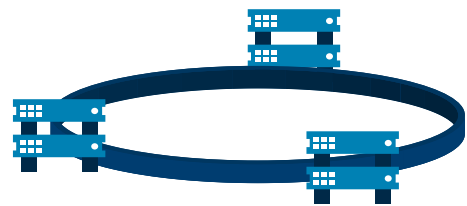
## Web Conferences



Native WebRTC support and great UI help users host web conferences efficiently. We also take care of mobile users and browsers which don't support new standards.

---

## TrueConf Enterprise



Several TrueConf servers can be connected together to serve a very large organization or to provide hosted video conferencing service to your customers.

---



# TrueConf for Rooms

Easy-to-use software for rooms that turns regular Windows PC or Android-based Smart TV into video conferencing endpoint. Features rich branding and customizaion opportunities.



## TrueConf for Rooms

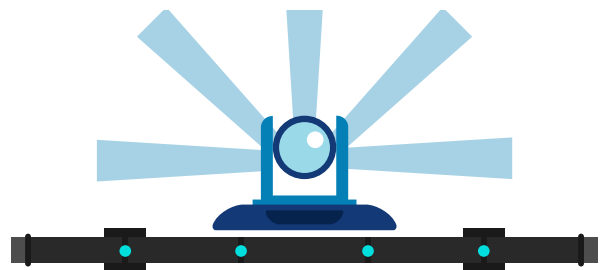
- Free-to-use Windows software
- Supports all features of native apps
- Speaks TrueConf protocol and SIP/H.323
- Web-based touch interface for control
- Designed for use in rooms of any size
- Supports video walls up to 32K pixels wide
- Dedicated API for UI customization
- Native support for Phoenix Audio® and Logitech® speakerphones and cameras

## TrueConf for Android TV



- Features new clean user interface
- Supports multipoint UltraHD conferencing
- Fully compatible with NVIDIA® SHIELD TV
- Address book with presence and messaging
- Available on Google Play

## TrueConf Tracker



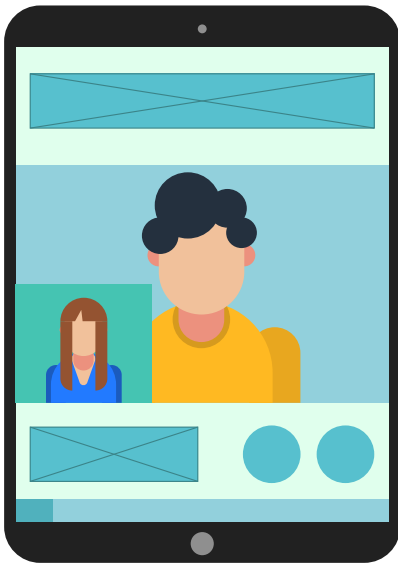
- Automatic speaker tracking software
- Designed for Phoenix Audio® Condor
- Suitable for mid & large meeting spaces
- Works with any UVC/VISCA PTZ cameras



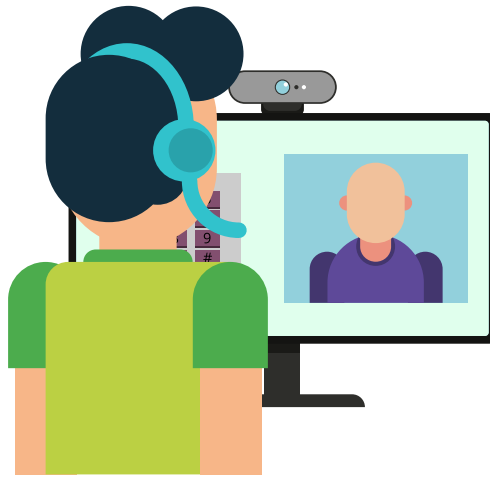


# TrueConf API and SDK

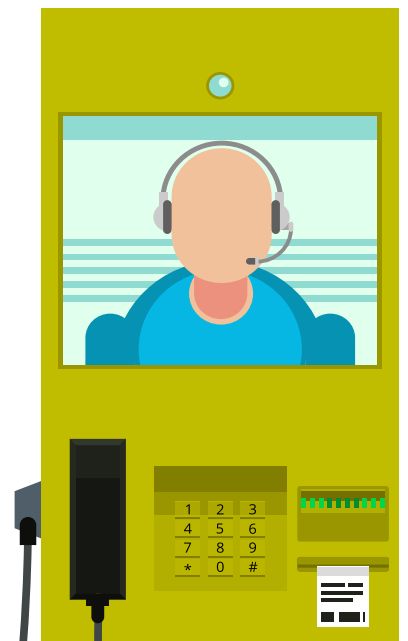
Build your own custom video conferencing solution or embed video into existing app using our flexible SDKs. Or utilize various APIs for wide range of integration tasks.



In-app Video



Video Call Center



Video Kiosks

## SDK Features

- TrueConf's famous UltraHD quality
- Support for all conferencing modes
- Interoperability with SIP/H.323 endpoints
- Development kits for Windows, macOS, Linux, iOS, Android and HTML5 /JS
- Great choice for desktop, mobile and room-based vertical video solutions

## Advanced Tools

- API for TrueConf Server management
- API for TrueConf endpoints control
- URI scheme for calls, conferencing, authentication and guest access
- App Links support for mobiles
- Virtual Printer for remote printing
- JavaScript API for WebRTC
- APIs are based on RESTful standard



# Video Conferencing Modes of TrueConf Apps



## Point-to-Point Video Call

**1-on-1** **up to 4K**

Session between two users. They can see and hear each other, exchange messages and files, collaborate on documents, etc.

---



## Multipoint Video Conference

**36-on-36** **up to 8K**

Allows to connect up to 36 participants in continuous presence mode so that all users can see and hear each other.

---



## Video Lecture

**1-on-36** **up to 4K**

Designed for distant learning. Allows to connect up to 36 users in such a way that all of them can see and hear only the host while the host can interact with all participants.

---



## Virtual Meeting

**up to 250** **up to 4K**

Role-based video conferences for large audience where speakers are selected by moderator in real time. Number of speakers varies from 1 to 6 depending of the conference size.

---



# Technical Specifications

## Native Applications

Available for Windows, macOS, Linux, Android, Android TV, iOS, watchOS and WebRTC.

## Video Codecs

Native: VP8 SVC. Via built-in gateway: H.264 AVC, H.264 SVC, Microsoft® X-H264UC, H.263. Video streams resolution, compression ratio and frame rate are chosen dynamically and independently for every participant in a conference based on the selected layout, bandwidth, connection quality, endpoint's performance and its hardware capabilities.

## Layouts

Various layouts for video and content on single or multiple screens chosen interactively by users.

## Video Resolution

Native for 1-on-1 video calls: 2160p30, 1080p, 720p, 480p, 360p, 180p.  
Native for multipoint conferences: 720p, 480p, 360p, 180p per stream.  
Via built-in gateway with SVC: server outputs 9 layers with resolution up to 720p30 per conference.

## Content Resolution

Content sharing: up to 1080p. Slideshow; up to 1280x1024.

## Audio Codec

Opus Wideband HD Audio, Speex, iSAC, G7xx.

## Protocols

TrueConf's proprietary TCP-based protocol, WebRTC, SIP, H.323, BFCP, H.239, RTSP, FECC, H.224, H.281.

## Encryption

AES-256, TLS. Via WebRTC: SRTP DTLS. Via SIP: SRTP. Via H.323: H.235 rev.3.

## Network

IPv4 and IPv6. NAT traversal via ICE and STUN.

## Bandwidth Requirements

2160p30 @ 8192kbps, 1080p30 @ 2048kbps, 720p30 @ 1024kbps, 480p30 @ 512kbps, 360p30 @ 128kbps, 180p30 @ 48kbps.

## API & SSO

RESTful API for server management. Single sign on based on NTLM or OAuth 2.0.

## Supported Hypervisors

Microsoft® Hyper-V, Xen and KVM.

## Cloud Support

Amazon Web Services, TrueConf Online cloud and hybrid scenarios using federation between on-premises and cloud instances are supported.

## System Requirements

For TrueConf Server: Microsoft® Windows Server 2012/2016, Intel® Core i5-2320, Xeon® E3-1220 or better, 4GB of RAM, 20GB on HDD, Ethernet 100Mbps. Every SIP/H.323/WebRTC conference requires a logical core on CPU. Up to 100 SIP/H.323/WebRTC participants and 3000 TrueConf protocol participants per server.

For desktop endpoints: Microsoft® Windows 7/8/10, Apple® OS X 10.7+, Ubuntu 12.04+ or Debian 7.2.0+. For 2160p video calls: Intel® i5 7th Gen CPU or NVIDIA® GTX 1050 or better. For 1080p30 video calls: Intel® Core i5 3rd Gen; for 720p30 Intel Core i3 2nd Gen; for 480p30 Intel® Core Duo or better; for 360p Intel® Pentium 4.

For mobile devices: smartphones and tablets based on Android 4.2+ or iOS 7.1+ platforms.

For Smart TV: Android TV compatible device. We recommend NVIDIA® SHIELD TV.



## Our Customers





**TrueConf**

Elektrozavodskaya st., 24  
Moscow, 107023, Russia.

+1 (347) 878-32-63

+7 (495) 698-60-66

[sales@trueconf.com](mailto:sales@trueconf.com)

[www.trueconf.com](http://www.trueconf.com)