Video Conferencing & Team Collaboration Solutions Portfolio

TrueConf

Video Collaboration Without Limits

TrueConf connects workspaces, mobile devices and meeting rooms with Ultra HD video conferencing, powerful team messaging and collaboration capabilities.

TrueConf is a leading developer of the security-focused video communication software and hardware solutions designed to supercharge remote workflows and keep users' privacy safe. The company has been repeatedly recognized by the world-renowned analytical agencies, such as Gartner, IDC and Frost & Sullivan.

The military forces of the Republic of India

State Security Agency, South Africa

National Oil and Gas Corporation, Indonesia

Air Traffic Management Corporation, Vietnam

World Health Organization, Nigeria

AKKUYU NÜKLEER, Turkey

National Institute of Aeronautics and Space, Indonesia

Rosatom, Russia

Nuclear Power Corporation of India

Indian Space Research Organisation

Key Advantages

Affordable Infrastructure

TrueConf solutions are built on modern software architecture which helps organizations to cut the cost of video conferencing infrastructure.

Secure Communications

All communications are kept under multi-level protection and always under your full control.

Ultra HD Video

Let users enjoy the exceptional quality of 4K video during presentations and content sharing.

Up to 1,500 Participants

With TrueConf, it's easy to host large-scale virtual events for a multi-hundred audience.

Scalability

TrueConf makes it easy to scale all video conferencing features for millions of users. If necessary, you can unify dozens of video conferencing servers into a single system.

Transparent Pricing

Competitive licensing allows you to connect all corporate users and not overpay for the time they're offline. Client applications for all major platforms are free.
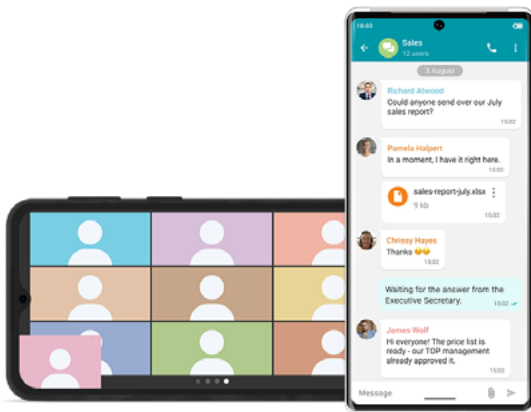
Easy-to-Use Client Applications
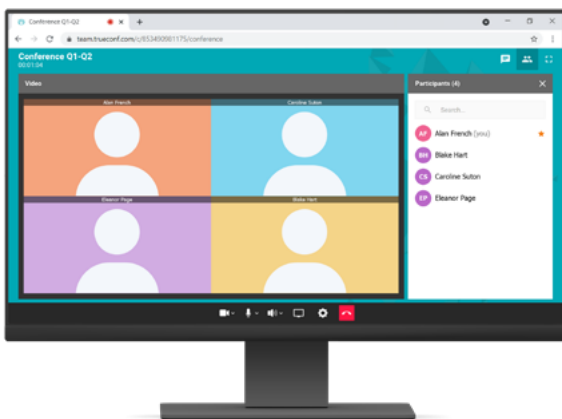
For Windows and macOS

For Linux

For Android

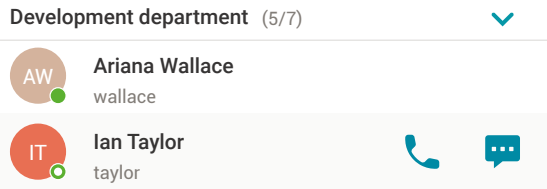For iOS, iPadOS and watchOS

For browsers

For meeting rooms

Unified Communications

Address Book

With TrueConf, you can create user groups and easily navigate through the company's departments, while user profiles contain contact information and company details.
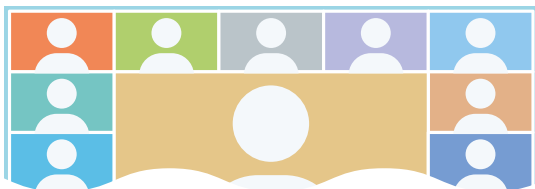
User Statuses

View individual statuses of your colleagues to check if they are available (individual statuses are displayed for the users authorized on desktop applications, mobile devices, and video conferencing endpoints)
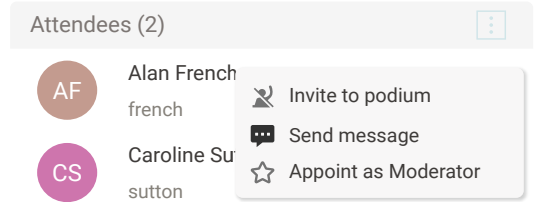
Smart Video Layouts

Feel free to collaborate: share your screens, application windows, and slides, show content and stream video files along with their audio tracks. Take control of other users' desktops to interact more effectively.

Advanced Meeting Controls
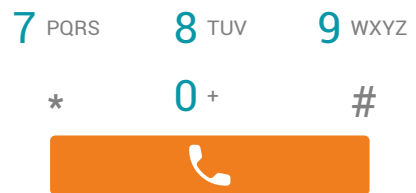

Control participants' peripherals and layouts in real time, or appoint some of the users as moderators so that they could manage a meeting.
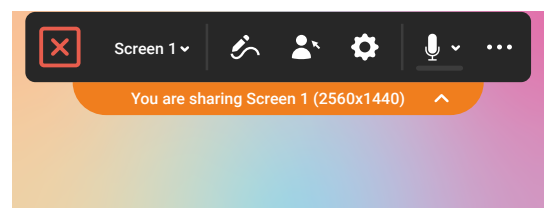
Telephony

Easy integration with PBXs and cloud telephony allows direct calls to be made from TrueConf client applications to telephony users
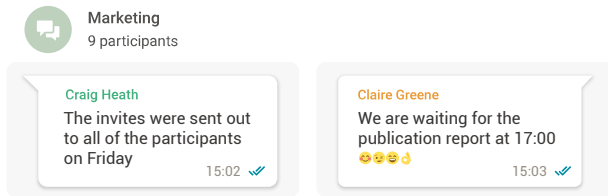
Collaboration & Remote Control

Show slides, apps, PDF files or your screen with audio, or take control of the shared desktop to provide remote support.
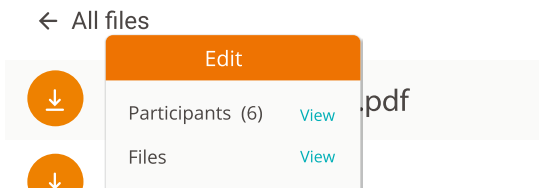
Team Messaging

Persistent Personal & Group Chats

Marketing
9 participants

Craig Heath
The invites were sent out to all of the participants on Friday
15:02

Claire Greene
We are waiting for the publication report at 17:00 😂😂👍
15:03

Exchange messages with your colleagues from your desktop PC or mobile devices – all chats will be synced automatically.

Advanced Messaging Capabilities

AS **Aaron Smith**
Who will be speaking first tomorrow?
CEO

Reply
Forward
Copy
Delete
Select

Aaron Smith
Who will be speaking first to...

Enter message...

With TrueConf, you can edit, forward, and reply to messages, delete them locally or globally for all chat members. Feel free to mention chat participants with the @ character.

Secure Data Storage

← All files

Edit

Participants (6) View
Files View

.pdf

All private and group chats and files are securely encrypted and stored locally within your corporate network.

File Sharing

2 files selected
Report Feb'22 (final).xls
XLS 1.3 MB

Additional materials for report.pdf
PDF 2.6 MB

Description
Please study these materials, I look forward to your feedback. 😊

Share links, images and other files with your co-workers. Use emojis to make your comments more vivid.
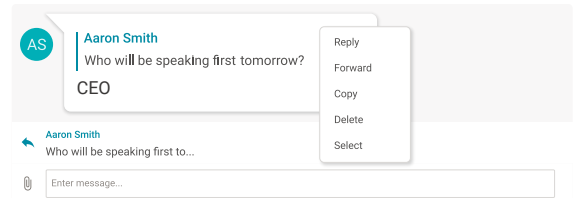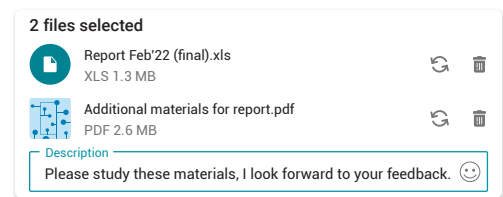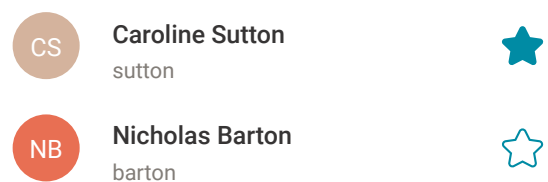
Built-in Media Player

View images, videos sent in chats and conference recordings right in your application.

Managing Chat Roles

CS **Caroline Sutton**
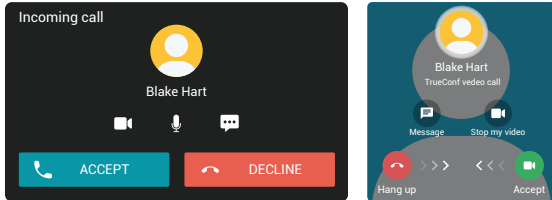sutton ⭐

NB **Nicholas Barton**
barton ☆

Transfer group chat ownership to other users and appoint moderators.

Remote Teamwork

Sign in on Multiple Devices

Stay connected on multiple devices simultaneously — make video calls, exchange messages, and collaborate remotely from any convenient location.

Conference Scheduler

Set date and time, duration and recurrence for scheduled conferences. Manage invitation lists, recording settings, and layouts right in your application when scheduling a meeting.

Video Conferencing

Hold e-learning sessions, run business meetings, host large-scale webinars or hybrid events — it's all in your hands.
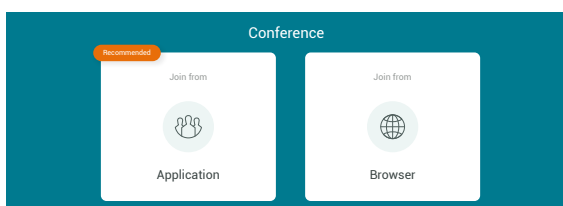
User Personal Area

Users can schedule meetings and manage the address book right from their client applications or personal area (the administrator's help won't be needed).
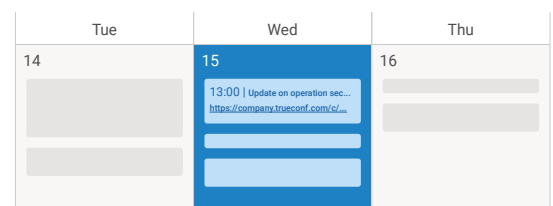
Join Meetings via a Link

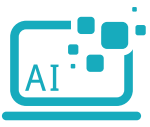Join conferences from any mobile or desktop browser — no downloads or plugins are needed.
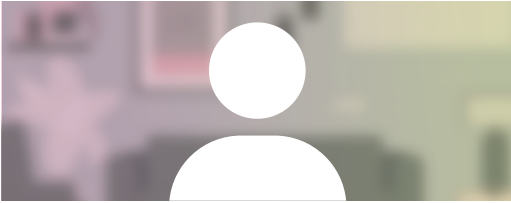
Integration with mail systems

Schedule ad-hoc meetings and send invitations via Outlook, Thunderbird, or built-in calenadar system.

AI-Powered Collaboration

Background Blurring

Add privacy to your meetings and keep things professional with background blurring that operates reliably on devices of any performance.
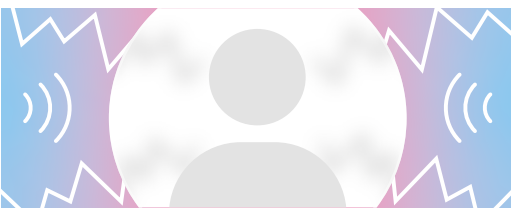
Auto Framing & Composition

If meeting participants are in different parts of the frame, the images are automatically zoomed in and cropped to make a flawless visual composition.

Smart Noise Cancellation

Collaborate with teammates effectively and deliver clear distraction-free audio even in the busiest locations.

Meeting Minutes

An automatic algorithm converts the conference audio recording into a transcript, linking phrases to timestamps on the video.
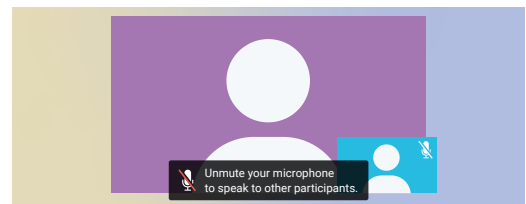
Virtual Background

Brand your image in line with your company identity, or simply express yourself with AI-powered virtual backgrounds.

Smart Hints & Advices

The app identifies common user problems and displays troubleshooting hints, creating a truly friendly UI.

Out-of-the-Box Interoperability

Standards-Friendly

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

Active Directory

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

Remote Management

Allows administrators to manage and troubleshoot conferences in real time: assign roles, create custom layouts, change active mics and cameras, re-invite participants, etc.

Polls and Reactions

Take advantage of polls to let meeting participants vote on any kind of question. Get users' feedback in a matter of seconds.

Platform for Webinars

Provide engaging online training, host webinars with pre-registration of participants, and get all the attendance data you need.

Waiting rooms

Take full control over the flow of your meetings by moving participants to and from the waiting room.

Federation

Unite video conferencing servers into a single system so that your users can communicate with each other regardless of the server or device they are authorized on.
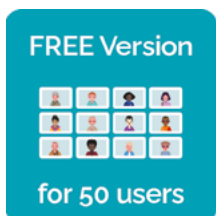
Seamless authorization

Your users may be allowed to authorize in TrueConf client applications without entering their login and password thanks to the support of single sign-on (SSO) technologies and two factor authentication (2FA)

On-Premises TrueConf Server

TrueConf Server is a secure platform for 4K video conferencing and team collaboration. This pure software solution is based on state-of-the-art technology with infinite scalability and interoperability possibilities.

FREE Version for 50 users

UltraHD Video 4K ULTRAHD

Easy setup 15 min

SVC Architecture

For Windows and Linux-based infrastructure

- Up to 49 on-screen participants
- Up to 1,500 users per conference
- Up to 10,000 accounts per server
- Built-in H.323/SIP gateway
- Recording and streaming support

- UltraHD calls and conference
- LDAP integration and 2FA authentication
- Built-in web conferencing platform
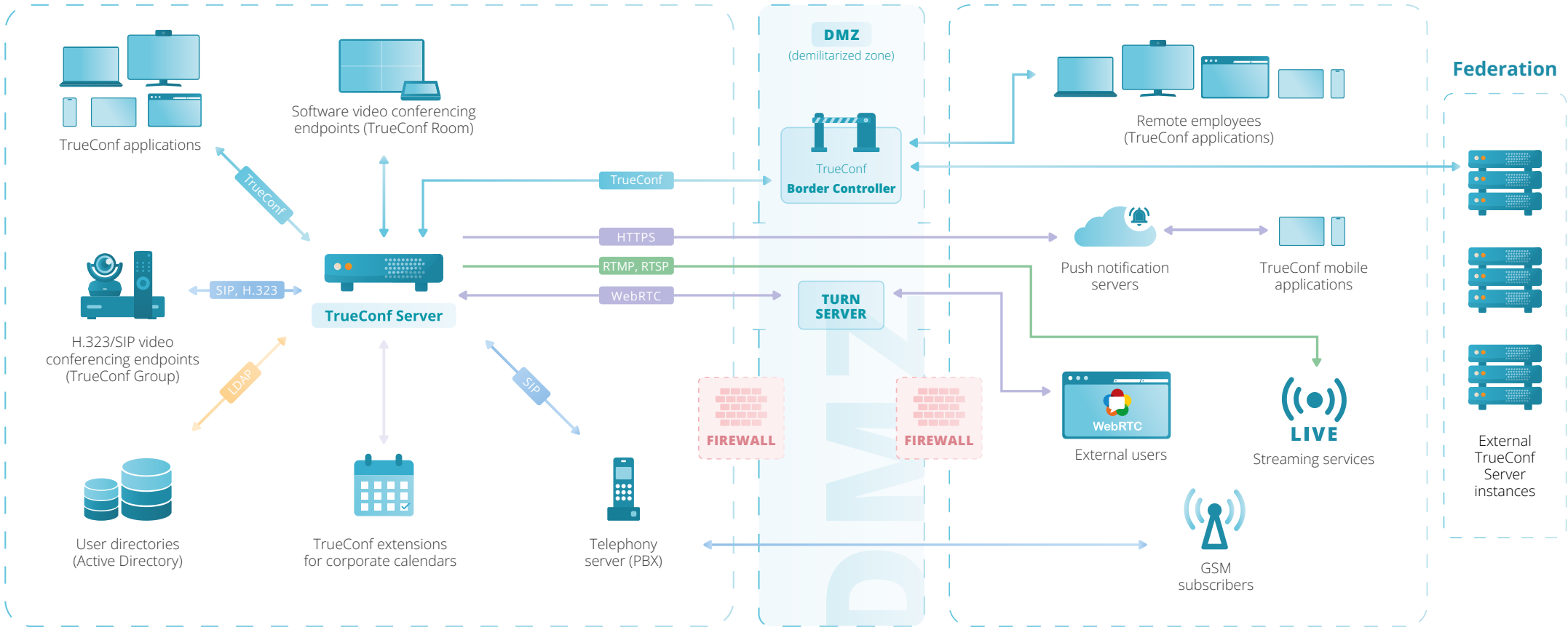- Runs on Windows, Linux, virtual machines and in a Docker container

trueconf.com/go/tcs

TrueConf Server Network Scheme

Private network

TrueConf applications

Software video conferencing endpoints (TrueConf Room)

H.323/SIP video conferencing endpoints (TrueConf Group)

TrueConf Server

User directories (Active Directory)

TrueConf extensions for corporate calendars

Telephony server (PBX)

TrueConf

SIP, H.323

LDAP

SIP

Internet

DMZ
(demilitarized zone)

TrueConf **Border Controller**

TrueConf

HTTPS

RTMP, RTSP

WebRTC

TURN SERVER

FIREWALL

FIREWALL

DMZ

Remote employees (TrueConf applications)

Push notification servers

TrueConf mobile applications

WebRTC
External users

LIVE
Streaming services

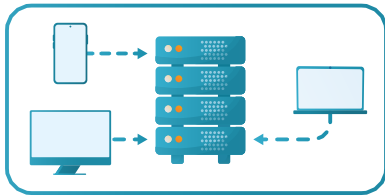GSM subscribers

Federation

External TrueConf Server instances
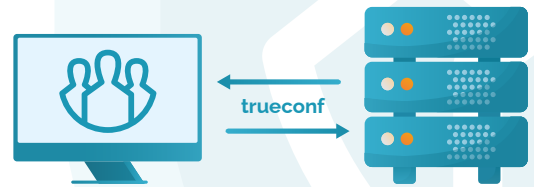
Fully-protected communications

Operation in the corporate network

The video conferencing system works in the corporate network and all the data will be stored and processed on-prem. Offline operation with no access to the Internet is also supported.
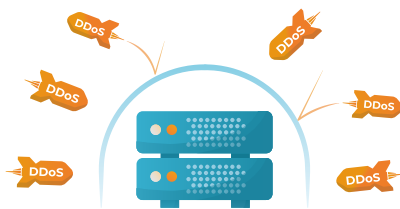
Proprietary communication protocol

Secure communication protocol developed by TrueConf will make your data inaccessible to any third-parties and safeguard your communications against any technological restrictions.

DDoS protection

Integration with leading protection service providers will safeguard you against DDoS attacks through timely tracking, identification, and counteraction against such threats.

Authentication methods

Configure different authentication methods for the users from the trusted IP group and external users from the Internet.
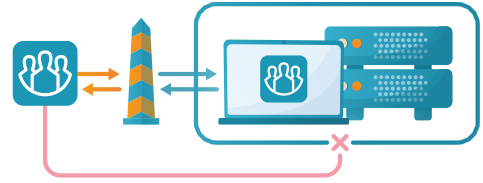
Data leak prevention

Activate integration with a DLP system to strengthen your information security and eliminate the risk of data leaks.
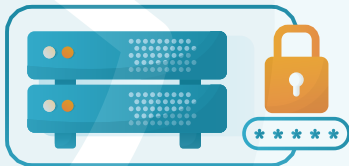
Border controller

The special module will ensure secure connection of users to the video conferencing server and protect your infrastructure against network attacks.

PIN protection

Set a PIN to restrict access to private or public conferences (joined with a link). In this way, you will make sure that your meetings are not available to unwanted participants.
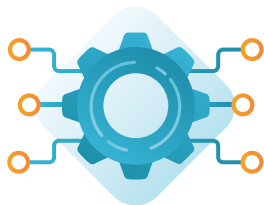
Moderation

Moderators can block or remove some of the users and lock the meeting for new participants.
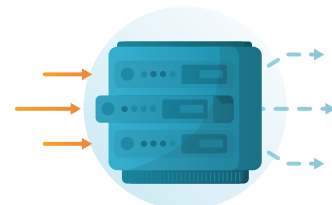
Flexible group policies

Divide users and administrators into multiple groups to set permissions and rights depending on the security policies in your organizations.

Encryption

TrueConf adopts advanced encryption algorithms for all supported communication protocols and provides integration with popular VPN gateways to give multi-level protection of video and audio streams.
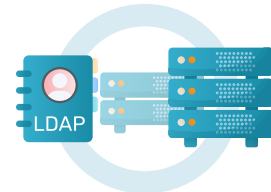
TrueConf Enterprise

Allows customers to effectively manage and scale video conferencing infrastructure across large organizations and complex networks.
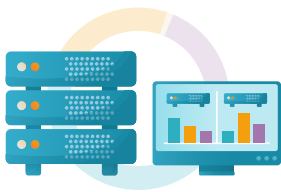
TrueConf License Manager

TrueConf Enterprise add-on that automatically distributes licenses between multiple servers based on the video conferencing usage and individual set of parameters for each TrueConf Server instance.
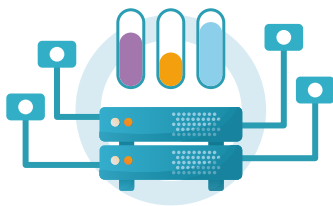
TrueConf Directory

TrueConf Enterprise add-on that integrates several video conferencing servers into unified address space with global user directory.
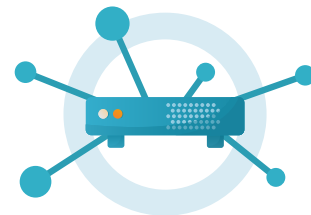
Load Balancing

When holding geographically distributed video conferences, TrueConf Server instances exchange only the missing streams, which significantly reduces network load between branches in the enterprise network.

Redundancy and Scalability

Thanks to the ability to duplicate and geographically distribute nodes, the video conferencing network is reliably available to users under any load. Supporting **millions of subscribers** doesn't require you to invest heavily in the video conferencing infrastructure.

trueconf.com/go/enterprise

TrueConf MCU

A reliable software MCU server for legacy SIP/H.323 equipment. Allows to host video conferences on dedicated or virtual Linux machine and provides scheduling, monitoring, and recording capabilities.

SIP/H.323

100
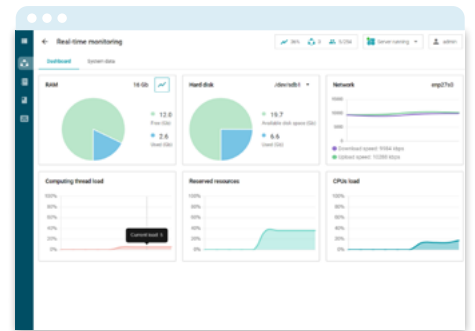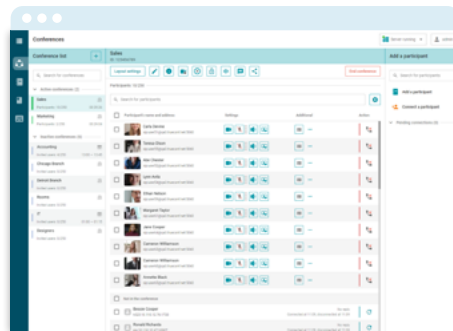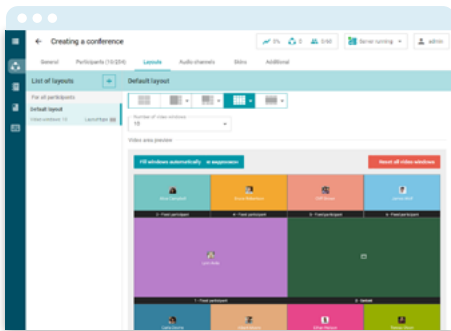
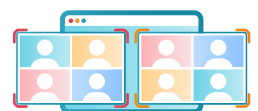The world's first software-based MCU server for free video conferencing up to 100 active connections

Up to 150 participants in a single conference and 256 in cascading mode

Support for any custom video layout and simultaneous interpretation

4K

Great video quality up to 4K (2160p)

Multi-channel recording

Real-time monitoring and server resource reservation

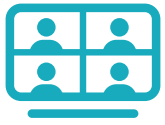Supports content sharing and far-end camera control

Network load optimization for weak channels

WebRTC

WebRTC support and ability to join a conference with a link

Detailed conference history

trueconf.com/go/mcu

TrueConf Room

Ultra HD Room Experience

Create collaborative meeting space with flawless video and audio using TrueConf Room! It is easy-to-use software for rooms that turns a regular PC into a **4K video conferencing endpoint**.

USB Video

USB Audio

HDMI

NDI

NDI

TrueConf Room

USB touch panel for control

Call
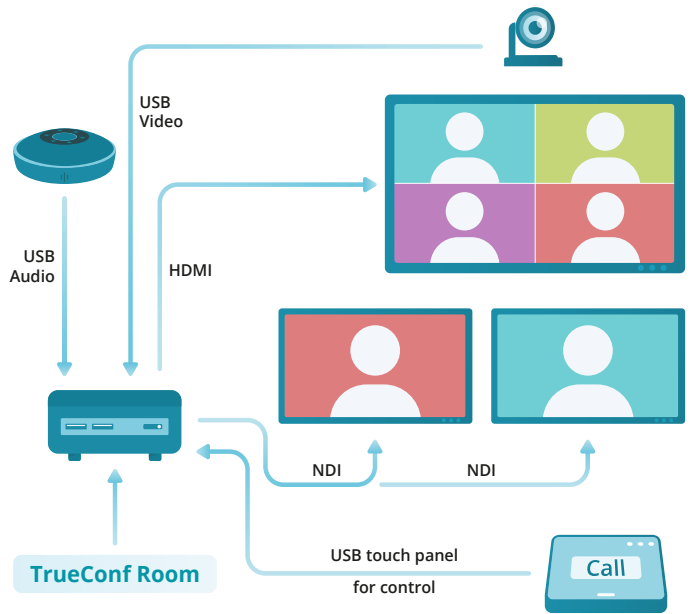
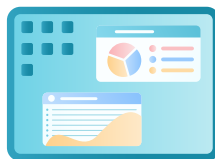## Easy to Set Up & Control

To start your meeting, install TrueConf Room on a Windows or Linux-based PC, connect a speakerphone, camera, and TV. Control TrueConf Room using USB touch panel, laptop or your smartphone.
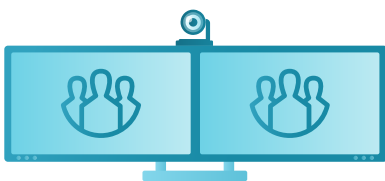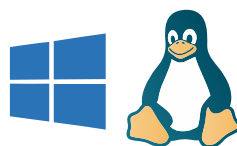
Support for
up to 4 screens

Content capture
and slideshow

Works with any USB
peripherals

Built-in
NDI support

For Windows
and Linux

Customization
and branding

trueconf.com/go/room

TrueConf Group

TrueConf Group is a video conferencing endpoint for medium to large meeting rooms. TrueConf Group features native support for SIP and H.323 protocols with the built-in MCU. Thanks to the modular approach, the endpoint can be equipped with various AV peripherals while delivering FullHD video and crystal clear audio.

MCU — Built-in MCU for up to 12 FullHD connections

Calendar with upcoming meetings

Up to three screens are supported

Seamless integration with existing meeting room endpoints

Address book syncing between TrueConf Server and TrueConf MCU

NDI — NDI import and export

Far-end and local camera control

Control the endpoint with an infra-red remote, from the web interface or with the command line via SSH

H.235 and SRTP encryption, DoS/DDoS protection, spam call blocking

Quality and Reliability

TrueConf Group performs exceptionally well in low bandwidth settings. AI-based noise and echo suppression will achieve high-quality audio during meetings. Support for H.265 and H.264 SVC video codecs and 4K resolution.
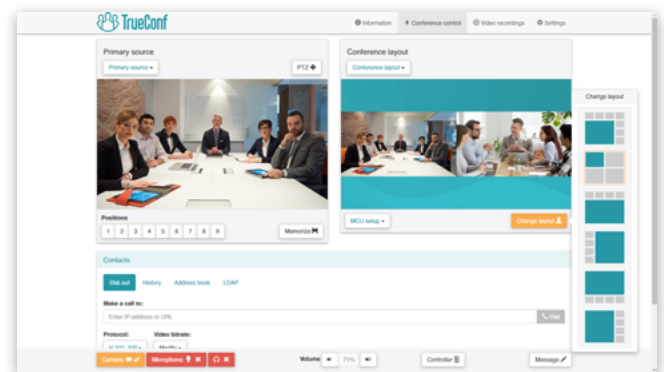
Ease of Use

TrueConf Group offers a wide range of collaboration tools for every need. Attend video meetings, share content, show slides, control video layouts, stream conferences and your self-view to third-party services. The address book with call history will make your workflow even more efficient.

trueconf.com/go/group
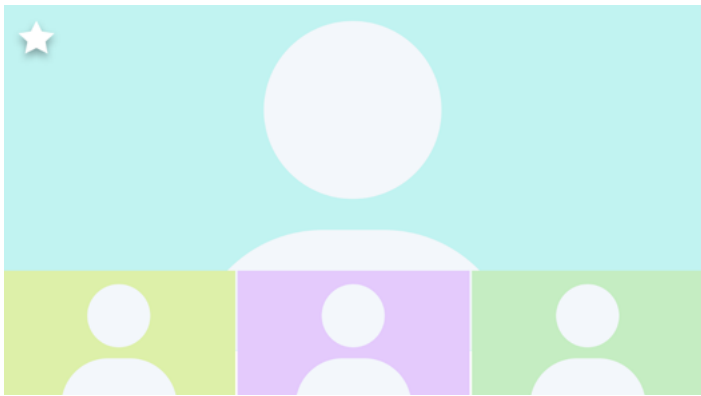
Video Conferencing Modes of TrueConf Apps
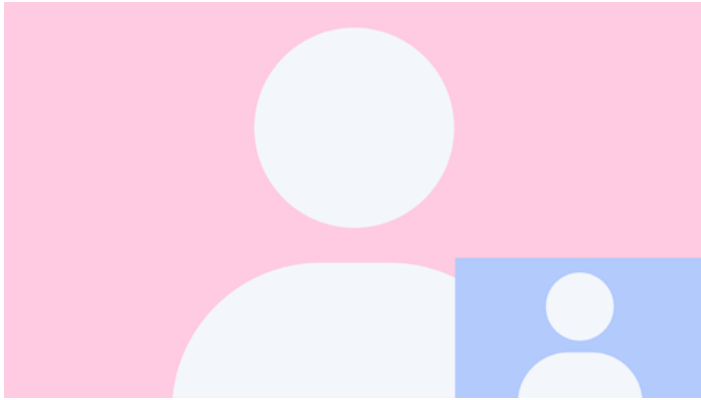
Point-to-Point Video Call

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

49–on–49   **up to 8K**

Allows to connect up to 49 participants in continuous presence mode so that all users can see and hear each other.
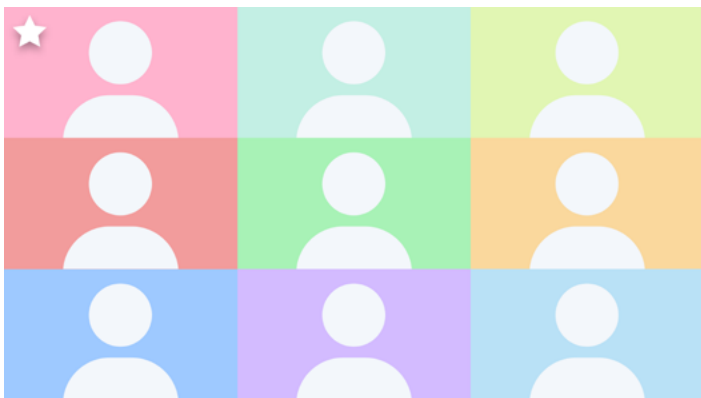
Video Lecture

1–on–36   **up to 4K**

Designed for distance 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.

Smart Meeting

up to 1500   **up to 4K**

Multi-user video conference. The layout of the participants is automatically formed based on the active speakers.

Technical Specifications

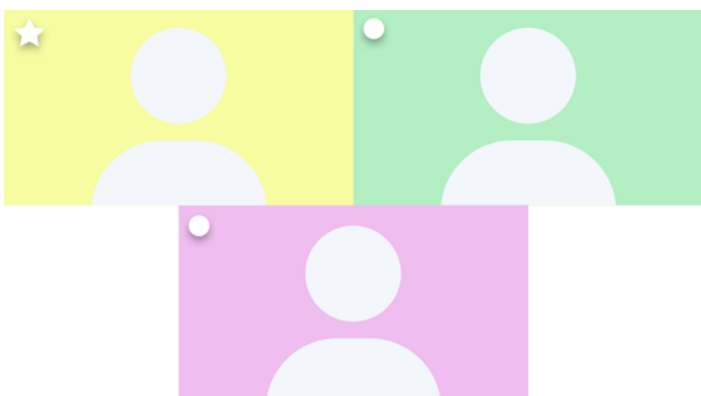|	
Applications	Available for Windows, macOS, Linux, Android, Android TV, iOS, watchOS and WebRTC.
Video Codecs	Native: VP8 SVC. Via built-in gateway: H.264 AVC, H.264 SVC, Microsoft® X-H264UC, H.263. Video streams resolution, compression ratio and frame rate are chosen dynamically and independently for every participant in a conference based on the selected layout, bandwidth, connection quality, endpoint's performance and its hardware capabilities.
Layouts	Infinite number of layouts for video and content on single or multiple screens chosen interactively by users. Moderators can lock or create custom layouts for one or multiple participants in real time.
Video Resolution	Point-to-point video call: up to 2160p (4K) at 30 fps and up to 1440p at 60 fps. Multipoint conferences: up to 1080p (FullHD) at 30 fps per participant and up to 4320p (8K) per layout. Via built-in H.323/SIP gateway: up to 1080p at 30 fps per layout.
Content Resolution	Desktop and application sharing: up to 2160p with remote control available. Slideshow, PDF and PowerPoint files up to 1920x1080 per slide.
Audio Codec	Opus Wideband HD Audio, iSAC, G7xx at 32 kHz.
Supported Protocols	Proprietary secure TrueConf protocol as well as WebRTC, SIP, H.323, BFCP, H.239, RTSP, HTTP(S), FECC, H.224, H.281, Dante, NDI.
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 TURN, ICE and STUN.
Bandwidth Requirements	2160p30 @ 8192kbps, 1440p60 @ 4096kbps, 720p60 @ 2048kbps, 1080p30 @ 2048kbps, 720p30 @ 1024kbps, 480p30 @ 512kbps, 360p30 @ 128kbps, 180p30 @ 48kbps.
API & SDK	RESTful API to control the video conferencing server (OAuth 2.0 authorization is supported)
SSO & 2FA	Single sign-on based on Kerberos, NTLM, or OAuth 2.0. Two-factor authentication via ADFS or email.
Supported Hypervisors	Microsoft® Hyper-V, Xen, KVM, Oracle® VM VirtualBox, VMware® Workstation and ESXi. The distribution is also available as a Docker container (hub.docker.com/u/trueconf).
VDI support	Termidesk, Citrix® VDI, VMware® Horizon: TrueConf 8 client application
Cloud Support	Hybrid scenarios using federation between on-premises and cloud-based TrueConf Server instances.
Data Leak Prevention	Integration with major DLP systems via ICAP
AI Capabilities	Virtual background, voice activity detection (VAD), noise cancelling, automatic camera framing, room video composition of participants, automatic speech recognition (ASR).
System Requirements	For TrueConf Server: Debian-based Linux distros or Microsoft® Windows Server 2008R2+ or newer, Intel® Core i7-8700, Xeon® E3-1220 or better with PassMark score higher than 7000, 16GB of RAM, 20GB on HDD, Ethernet 1 Gbps.
	Built-in H.323/SIP gateway requires additional CPU or GPU resources for every layout it renders depending on the number of participants, streaming, and recording options. Server-side GPU acceleration is available for NVIDIA® Pascal cards or newer.
	For desktop endpoints: Microsoft® Windows 7+, Apple® macOS 10.12+, Linux*.
	For mobile devices: smartphones and tablets based on Android 7+ or iOS 13+ platforms.
	For Smart TV: Android TV 7+, NVIDIA® SHIELD TV, Xiaomi® Mi Box 4/S.

*Ubuntu 16.04+, Debian 8+, Fedora 28+, Linux Mint 18+, Arch Linux, Red Hat Enterprise Linux 8, openSUSE 15+, CentOS 7, CentOS 8, CentOS Stream 8.
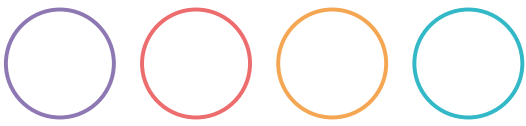
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