

TrueConf

Video
Collaboration
Solutions Portfolio

Video Conferencing and Collaboration

TrueConf connects workplaces, employees' mobile devices, and meeting rooms with secure video communication and convenient collaboration tools.

TrueConf is a leading developer of security-focused software and hardware designed to enhance remote teamwork and protect confidential data of businesses and organizations. The company was repeatedly recognized by reputed 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



National Customs Office, Uruguay



AKKUYU NÜKLEER, Turkey



National Institute of Aeronautics and Space, Indonesia

TOSHIBA

Toshiba Devices & Storage, Japan



Nuclear Power Corporation of India



Indian Space Research Organisation

Our Projects

The Agency for Services and Payments



France



Government



3,000 employees

TrueConf Enterprise enabled the Agency for Services and Payments to create a unified video conferencing and team collaboration network. The solution allows over 3,000 employees to communicate seamlessly from offices and homes using any convenient devices.



Hindustan Aeronautics Limited



India



Business & Industry



30,000 employees

TrueConf Enterprise helped HAL to create a private collaboration cloud that enables more than 30,000 employees to communicate from any device. With TrueConf, the company fosters greater collaboration, communication, and engagement, ultimately contributing to its overall success.

Commercial Bank of Kuwait



Kuwait



Finance



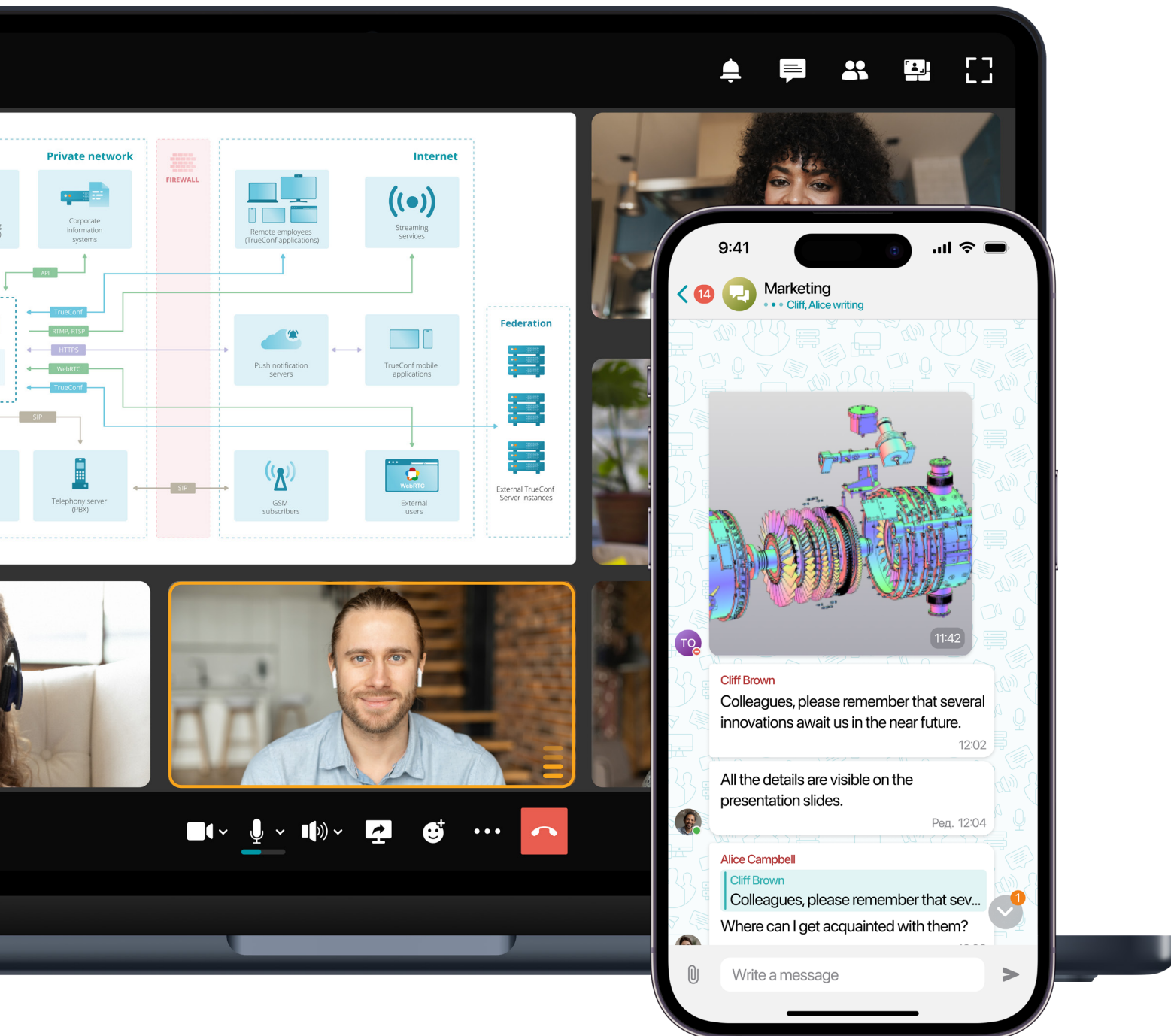
1,700 clients

TrueConf-based virtual banking system enabled easy communication between clients and call center employees. The bank installed over 100 kiosks to connect branches with headquarters, enabling more than 1,700 clients nationwide to hold daily remote consultations.



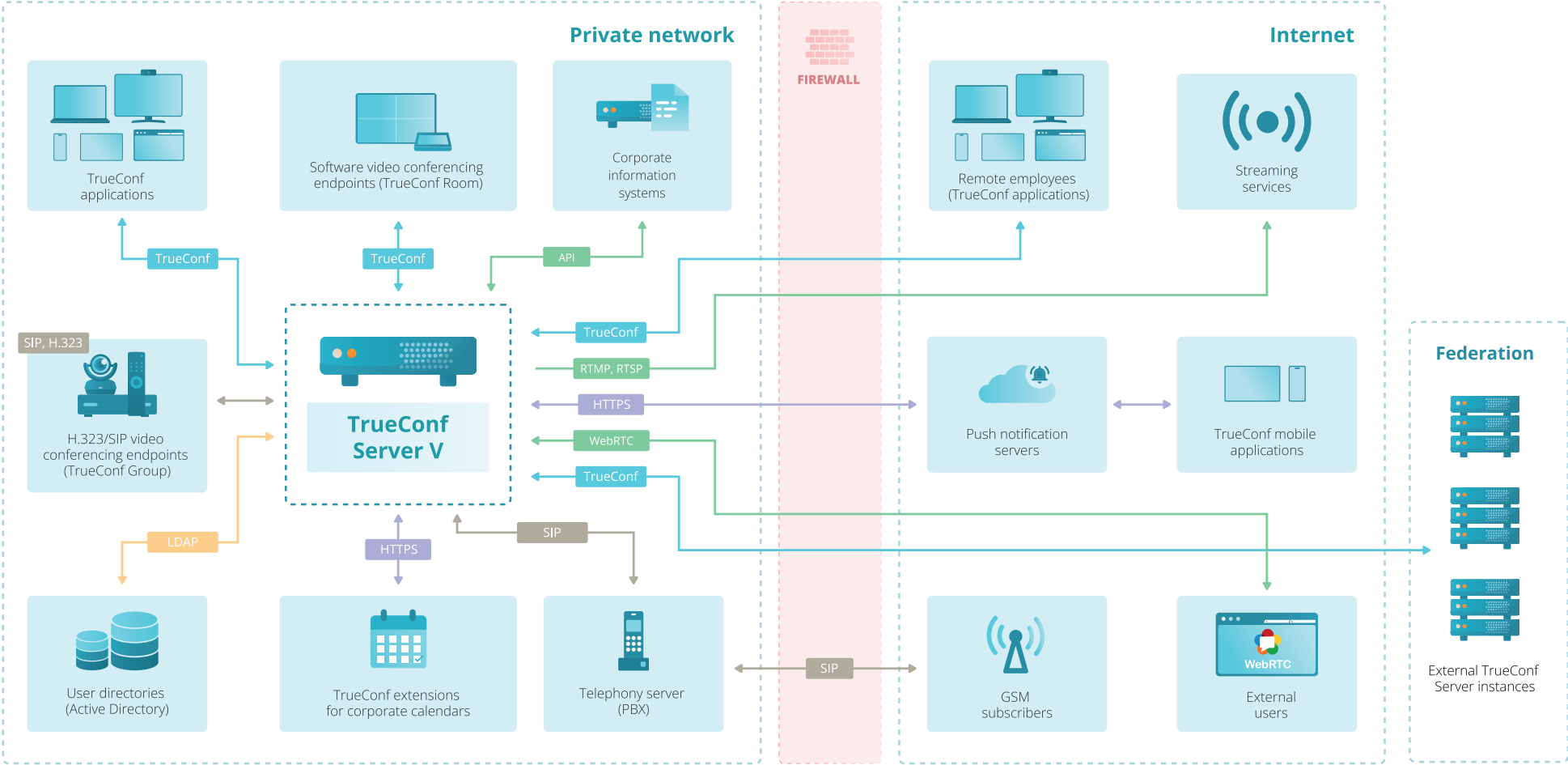
TrueConf Server

The core of your corporate communications, based on the advanced architecture, with support for UltraHD video conferencing, built-in messenger and a free version for 1,000 users.



The image displays the TrueConf Server architecture and its mobile application interface. The background features a large monitor showing a video conference with a man in the center. Overlaid on the monitor is a detailed architectural diagram of the TrueConf Server system. The diagram is divided into three main sections: Private network, Internet, and Federation. The Private network section includes Corporate information systems, APs, and a Telephony server (PBX). The Internet section includes Remote employees (TrueConf applications), Streaming services, Push notification servers, TrueConf mobile applications, GSM subscribers, and External users. The Federation section includes External TrueConf Server instances. A central FIREWALL separates the Private network from the Internet. Various protocols are shown connecting these components, including TrueConf, RTMP, RTSP, HTTPS, WebRTC, and SIP. In the foreground, a smartphone displays the TrueConf mobile application interface. The app shows a notification for a 'Marketing' chat with 'Cliff, Alice writing'. The chat history includes a 3D mechanical model of a turbine engine, a message from 'Cliff Brown' about future innovations, a response from 'Alice Campbell' about presentation slides, and a follow-up question from 'Cliff Brown' about where to get acquainted with them. The app interface also shows a 'Write a message' input field and a 'Send' button.

TrueConf Server Operation Scheme



Unified Communications



Conferences with up to 2,000 Participants

TrueConf solutions make it easy to hold large conferences with hundreds or even thousands of participants.



Simultaneous Interpretation

Host international events with speakers from different countries and multiple simultaneous interpreters.

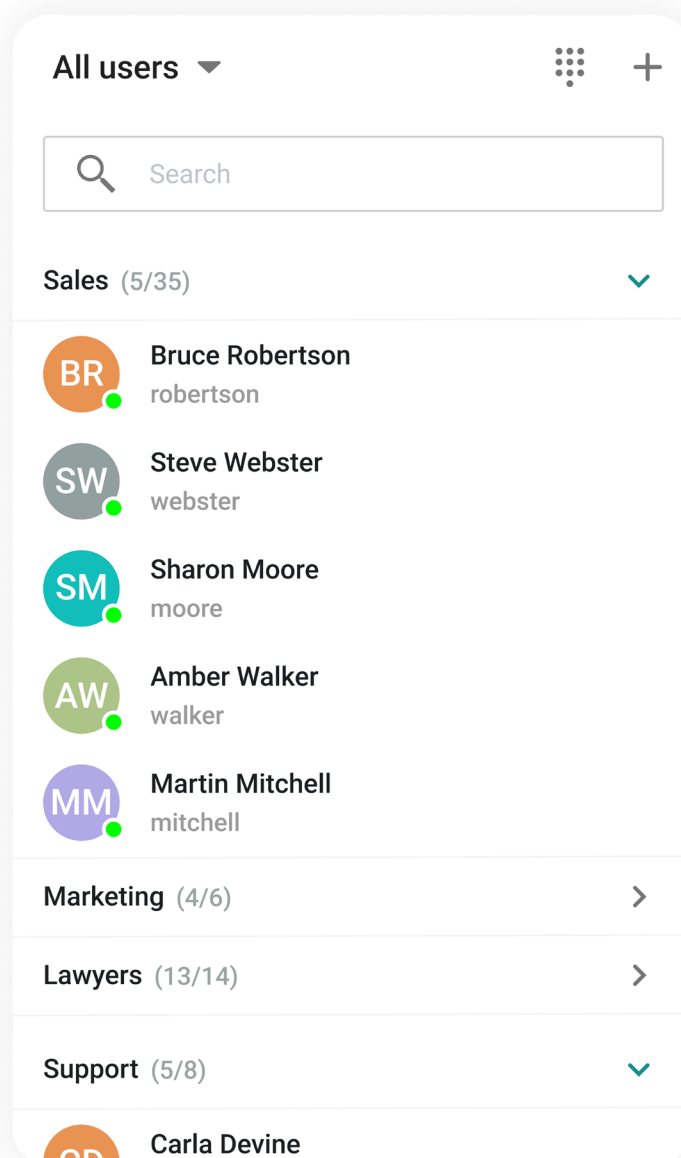


Secure Communication

TrueConf Server is deployed autonomously within your corporate network, which guarantees security and full control over all communications.

Address Book

It unites all employees of the organization, allowing you to see colleagues' statuses, make calls and create conferences *on the fly*.



Presence Statuses



Online



Busy



Owner



Offline



Do not disturb



Away



On the phone



From
endpoint



Recently
active

Telephony and PBX

Call users of your PBX, external subscribers, or VoIP devices registered on TrueConf Servers and invite them to video conferences.

Collaboration Tools

Share screens, application windows, and presentations, show content and videos with audio, and remotely control the desktops of other meeting participants.

Dialer



Teresa Olson
4355



Caroline Scott
5677



Richard Atwood

Enter a phone number



1 ^

2 ABC

3 DEF

4 GHI

5 JKL

6 MNO

7 PQRS

8 TUV

9 WXYZ

*

0 +

#



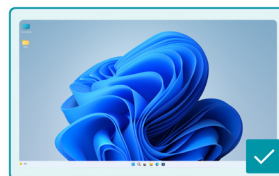
Select what you want to share



Screen/Applications

Slideshow

Video/Sound



Stream system audio

START SHARING

Scaling and Integration



Integration with Active Directory

Connect Active Directory or any LDAP directory to TrueConf Server: user and group information will be synchronized automatically.



Integration with Mail Systems

Thanks to the integration with Microsoft® Outlook and Mozilla® Thunderbird, users can add a video conference to any event in the corporate calendar.

Seamless Authorization

TrueConf supports single sign-on technology (SSO), corporate identity providers (like AD FS), and flexible configuration of trusted zones. These features will allow administrators to implement various scenarios, including multi-factor authentication.

Federation

Combine multiple video conferencing servers into a single system that will enable employees from different branch offices to collaborate effectively with one another.

Video Conference Streaming

Reach millions of viewers by streaming on third-party platforms and CDN services.

Compatible with Video Conferencing Devices

Full integration with MCU servers and video conferencing endpoints, including third-party ones via SIP and H.323 protocols.

Protection of Communications



Secure Conferences

Set a PIN code to secure a public conference that can be joined via a link. You can also lock the conference for new participants at any time.



Encryption

TrueConf provides multi-level protection by using advanced encryption algorithms for all supported communication protocols, along with integration with popular cryptographic gateways.



Private Conferences

Create internal conferences accessible only to authorized users.



Working in the Corporate Network

The video conferencing system operates within a corporate network without an Internet connection, processing and storing data in your company's infrastructure.



Flexible Configuration of Group Policies

Add users and administrators to groups, and configure their access to necessary features based on security requirements.



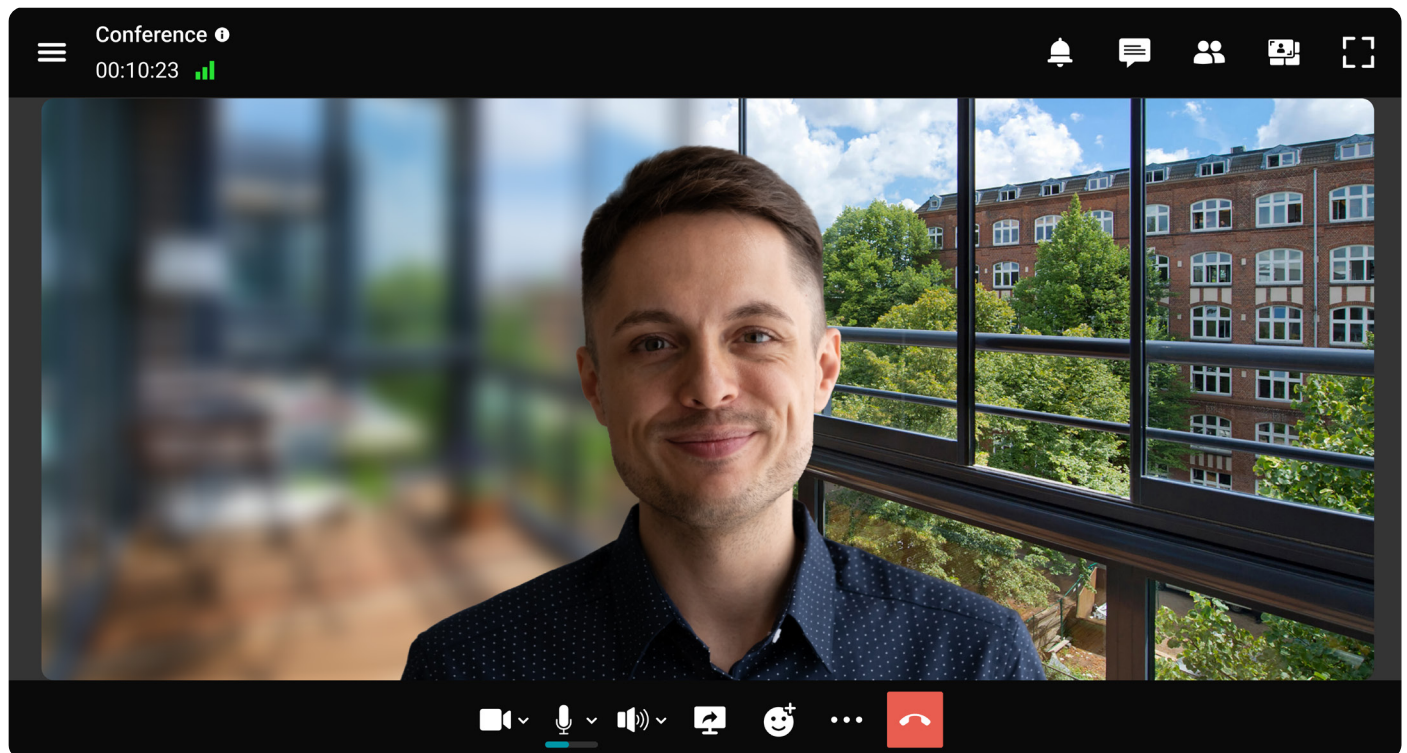
Trusted Zones

Configure different authentication methods for users within a trusted group of IP addresses and for external users from the Internet.

Advanced Features Based on **AI** Technologies

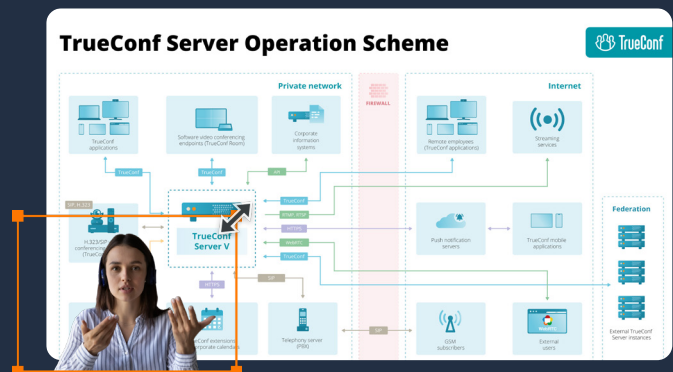
Background Blurring

Background blurring provides conference participants with additional privacy during video meetings.



Virtual Background

Set any image as your background for video meetings without chroma keying.

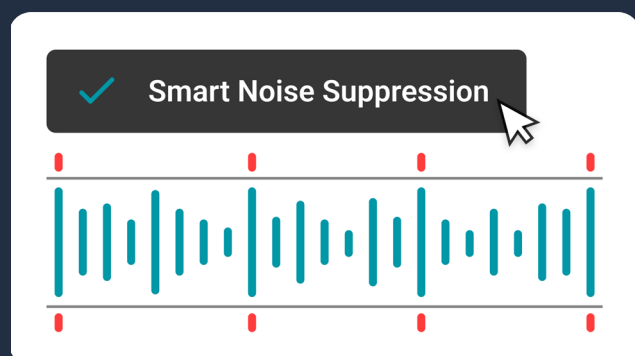
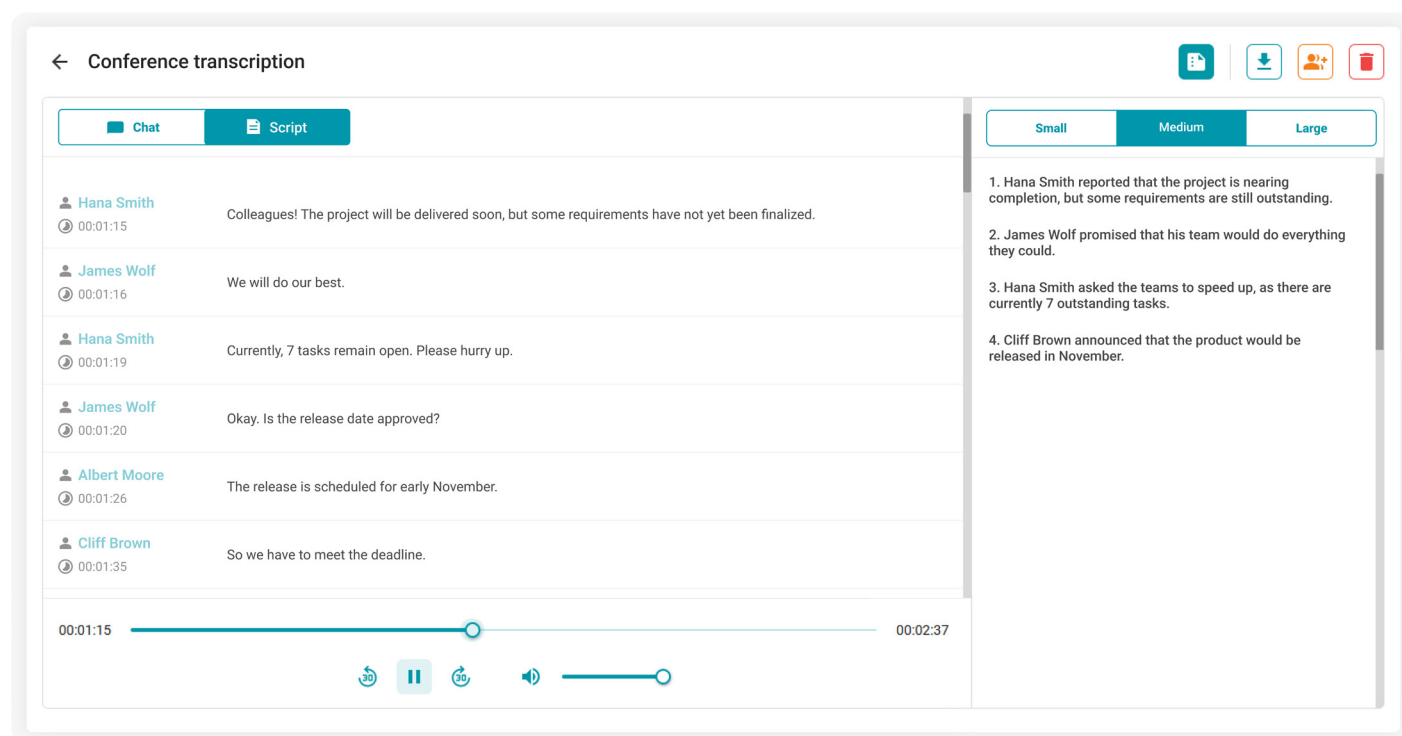


Content as Background

Make your presentation more interactive by replacing the real background with a slideshow or shared content.

Conference Transcription

Create transcripts of your meetings to make sure that each discussion can be quickly reviewed at any time. The speakers' names and timestamps will be included.



Smart Noise Suppression

The AI-based noise suppression will eliminate external noises and help meeting participants to stay focused on their discussion.



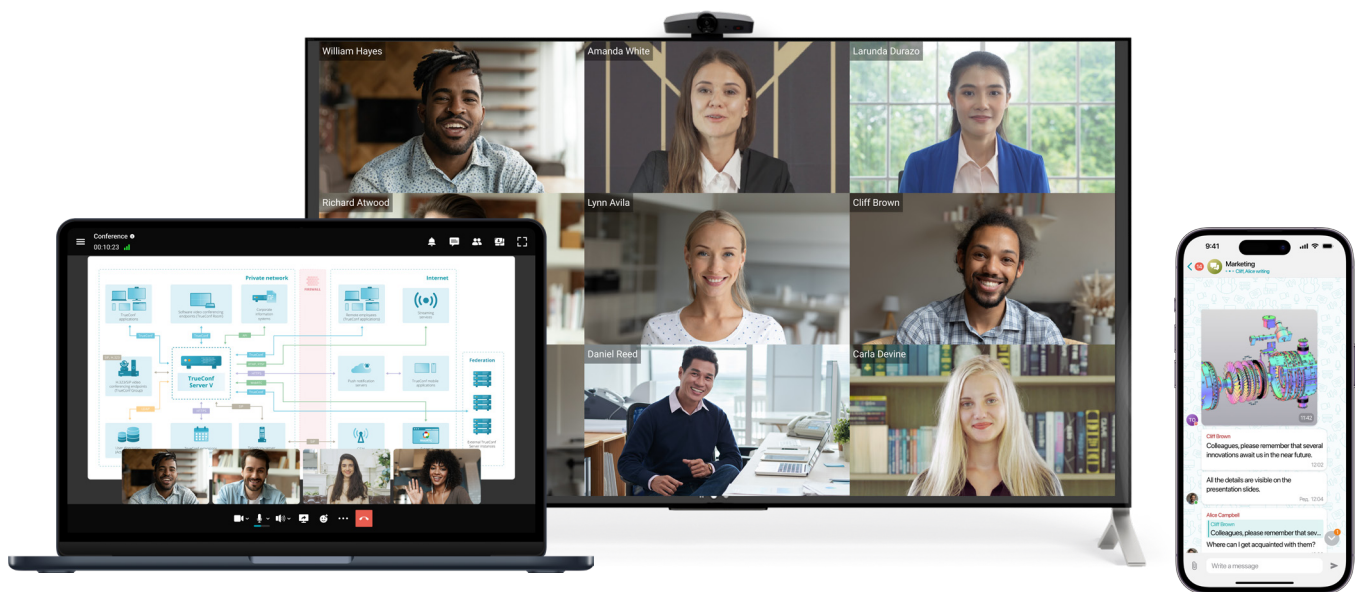
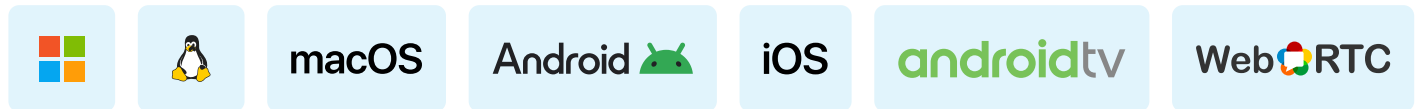
Face Tracking

An artificial intelligence-based algorithm analyzes the camera video, detects users' faces, and keeps them in the center of the frame.

Efficient Work

Always in Touch

Stay connected on multiple devices, participate in video meetings, and chat wherever you are, including from meeting rooms.

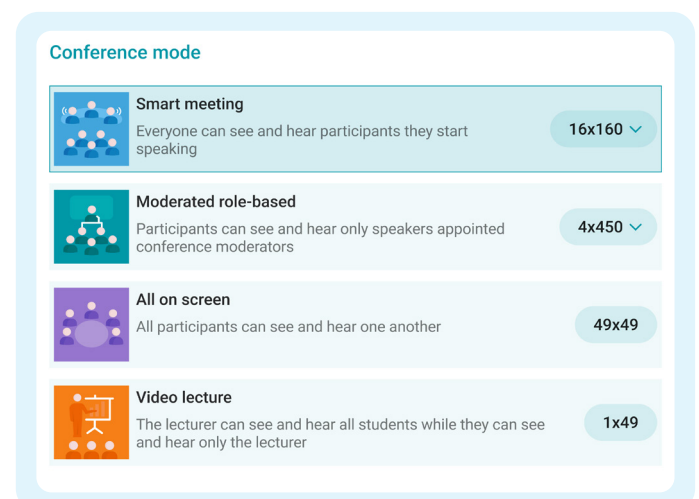
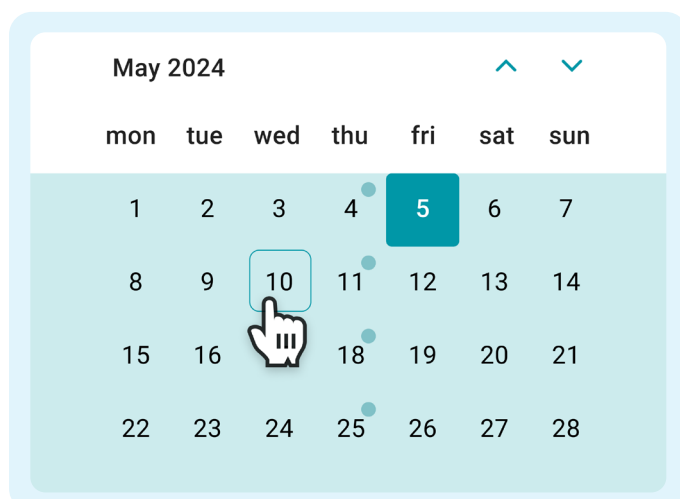


Meeting Scheduler

Plan video meetings in advance by setting the date, time, duration, and establish a regular schedule for conferences.

Any Meeting Scenario

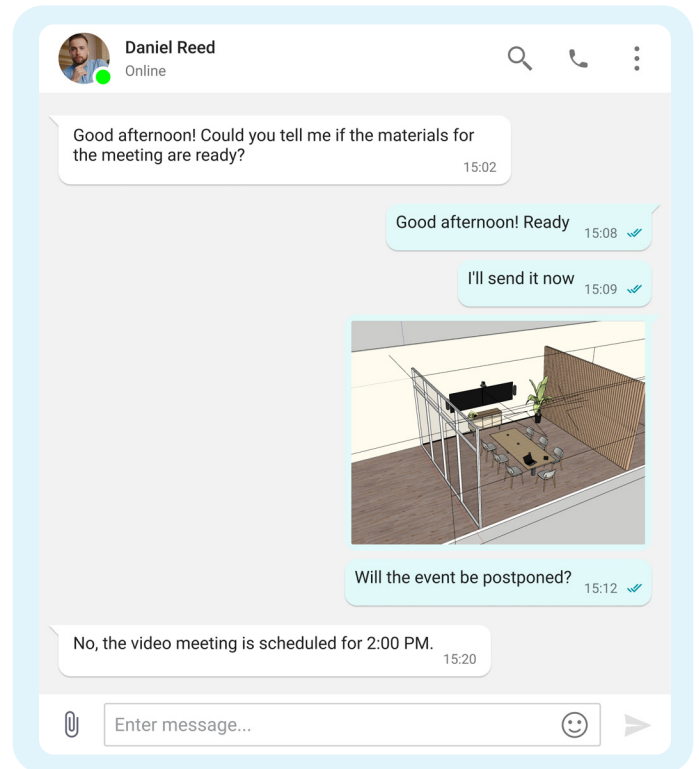
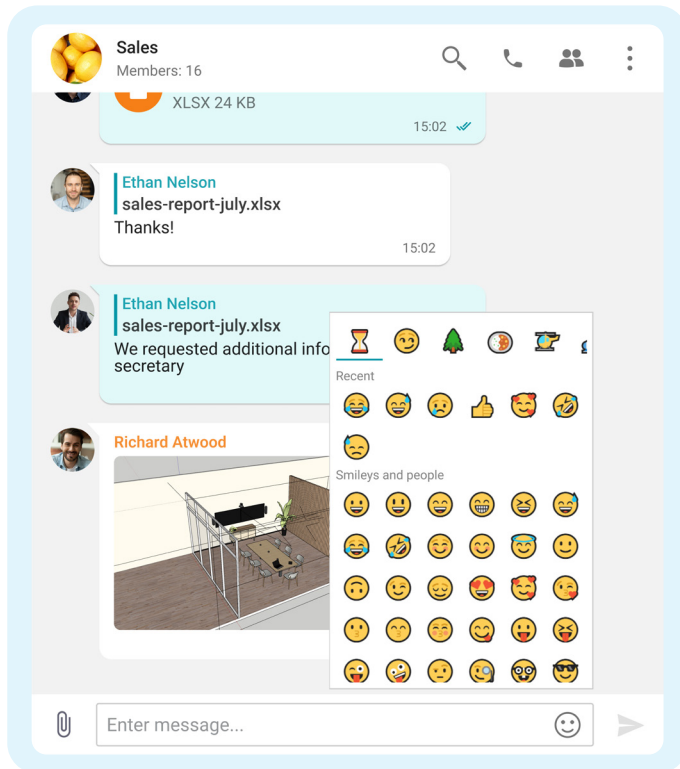
With various conference modes, you can hold online lessons, webinars and moderated role-based meetings.



Team Messenger

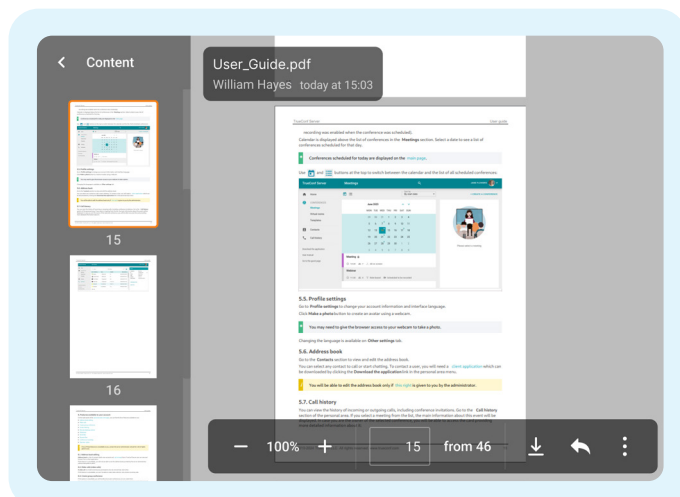
Group and Private Chats

Communicate with your colleagues in the workplace, at home or from mobile devices — chats are automatically synchronized.



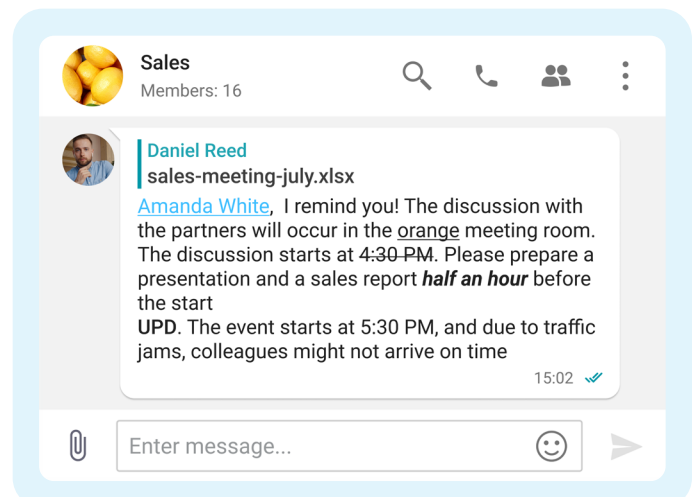
Viewing Media Files

View images, videos, and PDF documents in chats without installing extra software.



Communication Without Borders

Edit, forward, or reply to messages, check the names of participants who have already read your messages in a group chat, and mention other users.

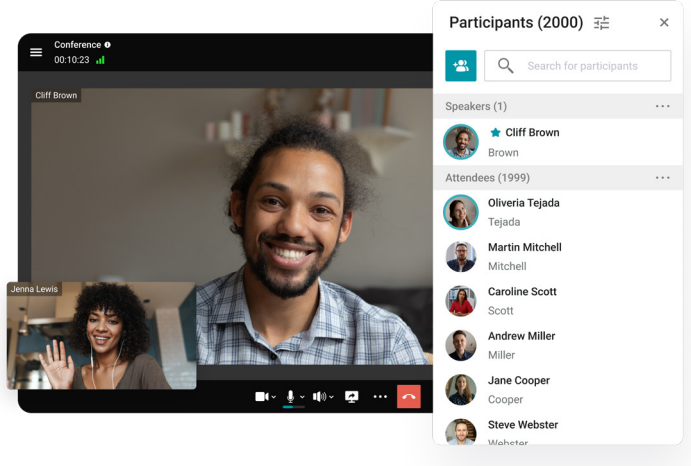


TrueConf Enterprise



Distributed Conferences

Automatic distribution of media streams between the nodes of the video conferencing network significantly reduces the load on communication channels between branch offices and ensures that participants connect to the nearest server.



Disaster Tolerance

The risk of unavailability is reduced to zero because video conferencing nodes can be duplicated and geographically distributed.



Fault Tolerance

The unique architecture of the solution offers high fault tolerance with backup clusters and seamless switching between them if one node fails.

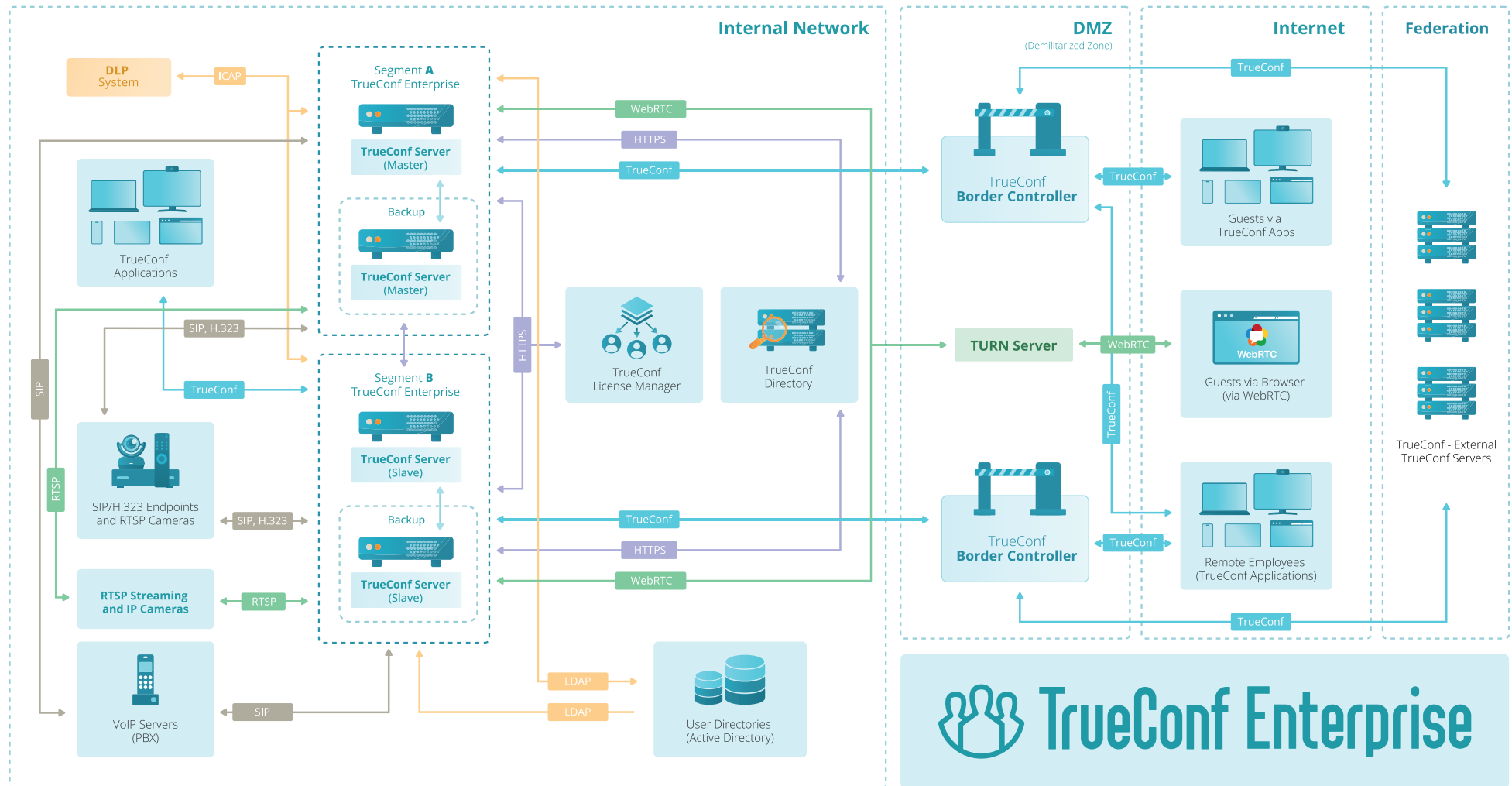


Load Balancing

Connecting additional nodes not only balances the load within the corporate network but also improves the quality of communication in group video conferences.

TrueConf Enterprise Operation Scheme

A scalable video conferencing solution for large businesses, telecom operators, and organizations with extensive regional structures, supporting up to one million users.



TrueConf Enterprise



Single Address Space

TrueConf Directory extension allows access to the global address book with information about users and user groups from external servers directly through client applications.



Automatic License Allocation

TrueConf License Manager extension automatically distributes licenses among video conferencing servers of your organization based on their current needs and established restrictions.

User list

🔍 Enter user's name, ID or email address

Online users only



COLLAPSE ALL



company.trueconf.com



Users without a group



Sales



Developers



Marketing



Logistics



Analytics



HR



Protection Against Data Leaks

Integrate your video conferencing server with a data leakage protection system (DLP) to block unauthorized transfer of information according to the configured filters.

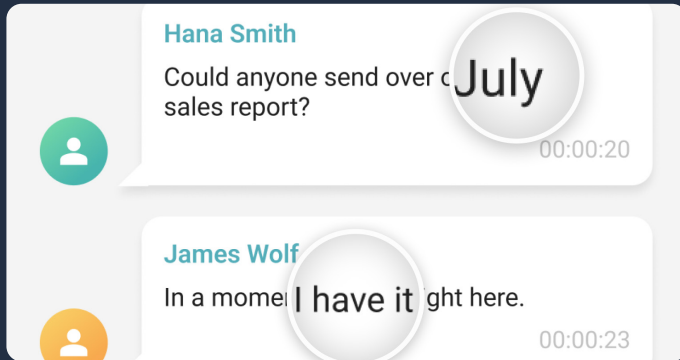


Border Controller

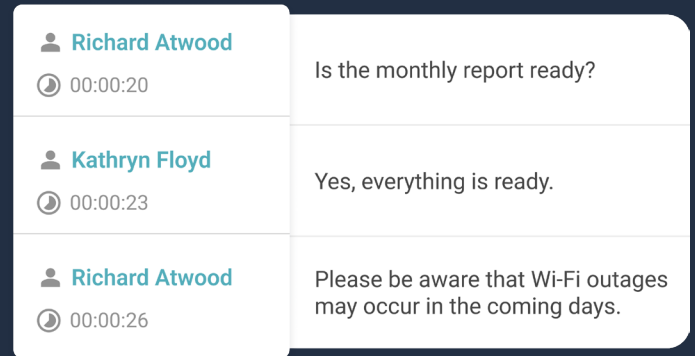
Hide the real IP address of your video conferencing system and restrict access from unwanted external connections by using the session border controller.

TrueConf AI Server

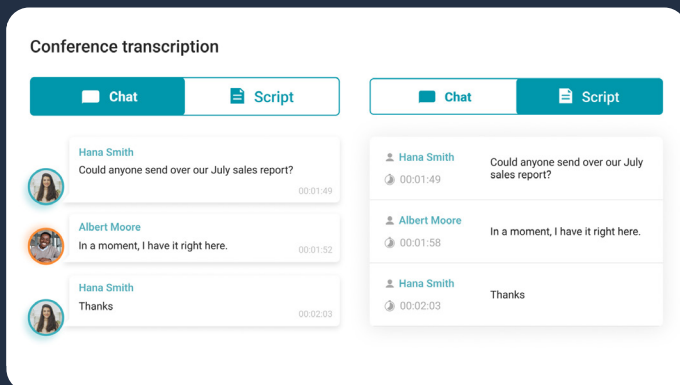
A conference transcription server is deployed within your corporate network to securely process data without the risk of leaks.



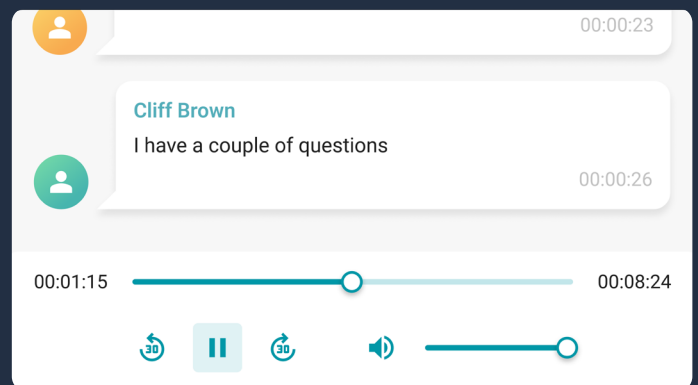
A smart algorithm captures every detail of the discussion



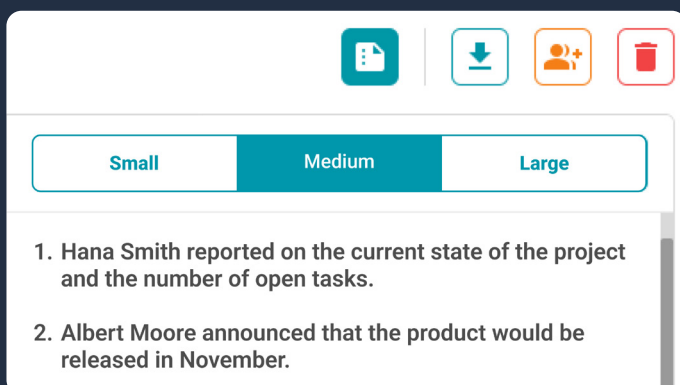
Detailed conference transcription with speakers' names included



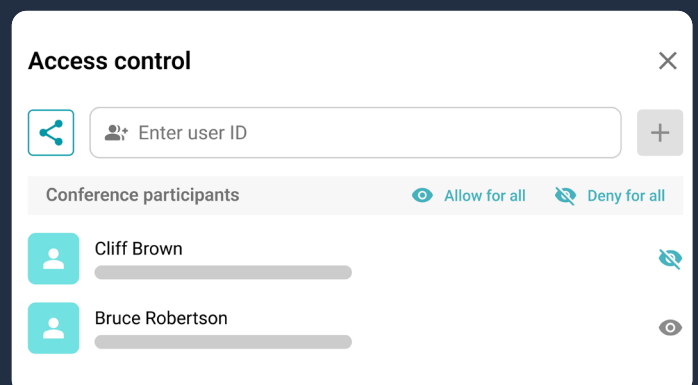
Multiple transcript display options and export tools



Built-in player for navigation and playback of searched phrases



The conference summary and meeting minutes will help you quickly identify the main points *

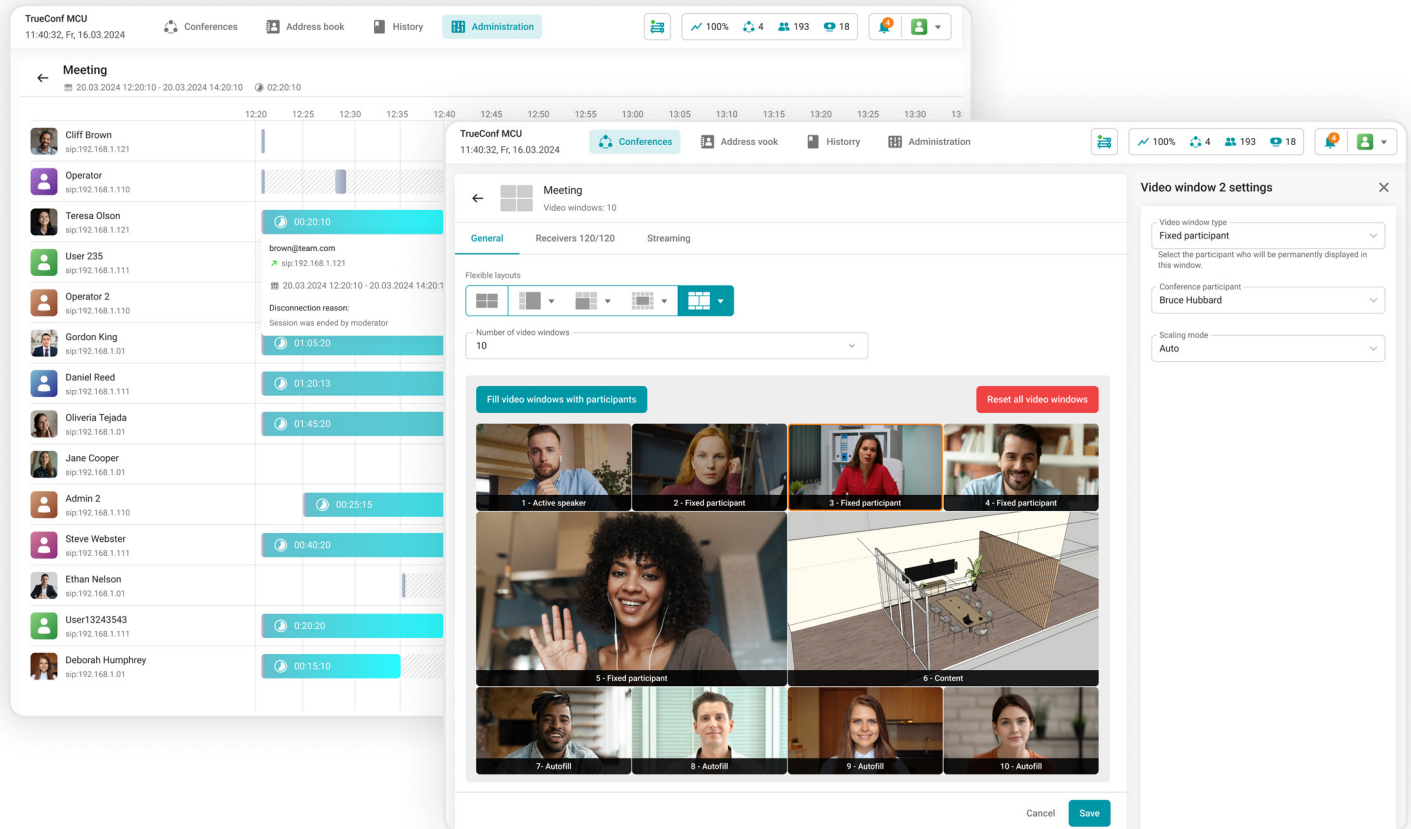


Shared access to conference transcripts

* It will be available in future versions.

TrueConf MCU

A transcoding server for SIP and H.323 video conferencing endpoints, offering extensive conference management capabilities for **up to 100 connections in the free version**.



Up to 100 participants on the screen, up to 250 in one conference



A set of layouts for any scenario, with support for a second content stream



Support for content sharing and remote camera control



Recording multiple layouts of a conference at the same time



Detailed conference history with information about user activity



Monitoring and reserving server resources



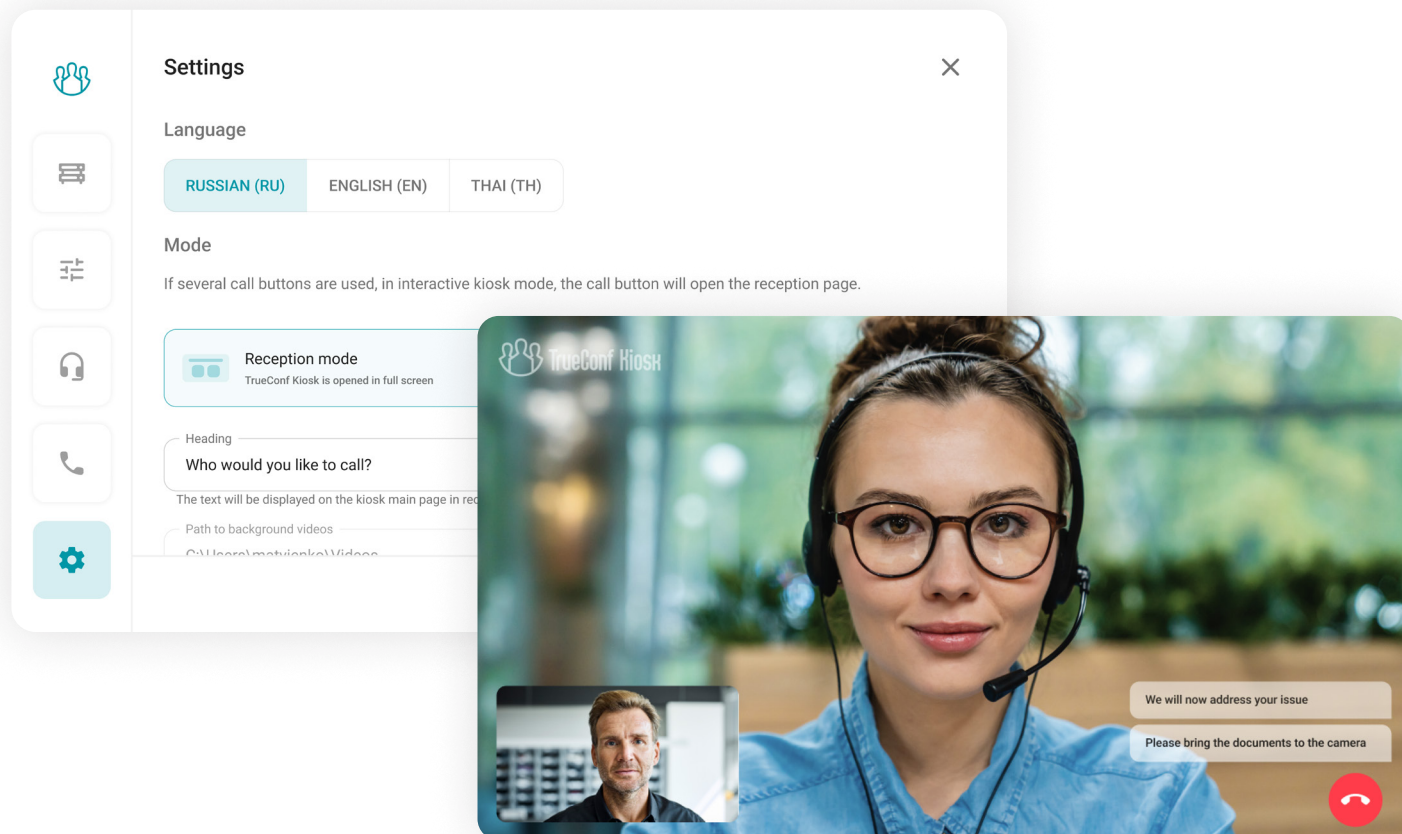
Network load optimization on weak communication channels



Lost packet recovery

TrueConf Kiosk

A turnkey solution that enables the implementation of advanced video conferencing capabilities in information kiosks for remote customer service.



Various types of calls, including calling the first available operator



FullHD video calls with dynamic adjustment to the communication channel



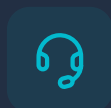
Showing of images, videos and slides



Integration with printers for fast file printing



Automatic recording of video sessions



Integration with contact centers via SIP



UI customization and branding



Full support for document cameras



TrueConf Room

PC-based software for organizing 4K video conferencing in meeting rooms and conference halls.



You can control the application with a smartphone, tablet, touchpad or from a browser



Supports up to four screens with multi-window mode and active speaker "pinning"



Meeting participants can share their screens and slideshows in multiple ways, for example, via HDMI or wirelessly via AirPlay



Compatible with any USB peripherals



Easy switching between cameras and convenient export of video streams thanks to the support of the low-latency NDI protocol



Integration with corporate PBXs and video conferencing endpoints



TrueConf Group

A hardware video conferencing endpoint designed for medium and large meeting rooms, with native support for SIP and H.323 protocols.



Built-in MCU for up to 8 FullHD connections



Output to two screens and capture up to two HDMI sources



Sharing content and media files



Control with an IR remote, command line, or web interface



Streaming conferences and adding NDI-compatible devices



Multi-level security system, including protection against DDoS attacks



Address book synchronization with TrueConf **Server** and TrueConf **MCU**



Easily integrates with meeting room management systems



TrueConf Coordinator

A turnkey software and hardware solution for managing equipment in meeting rooms and conference calls.



Monitoring and remote management of equipment and its settings



Configuration and selection of presets along with remote control of PTZ cameras



Flexible automation scenarios for any event



Interactive layout of the conference hall aligns with the actual location of the devices



Remote management of TrueConf Group video conferencing endpoints



UI customization according to the customer's requirements

Technical Specifications

Applications	Client applications are available for Windows, macOS, Arch, Debian, Red Hat Enterprise Linux, CentOS, Fedora, Mint, openSUSE, Ubuntu, Android, Android TV, iOS and WebRTC.
Video Codecs	VP8 SVC, H.264 AVC, H.264 SVC, Microsoft® X-H264UC, H.263, H.261. Video resolution, compression ratio, and frame rate are dynamically and independently selected for each conference participant, based on the chosen layout, channel bandwidth, connection quality, and hardware capabilities of the endpoint device.
Layouts	Users can change the layout in an infinite number of ways or drag video windows to other screens. The moderator can change the layout for client applications and hardware endpoints 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 conference: 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: up to 1920x1080 per slide.
Audio Codec	Opus Wideband HD Audio, Speex, G7xx, MP3, AAC, PCM.
Protocols	Secure proprietary TrueConf protocol as well as WebRTC, H.323, BFCP, H.239, SRTP, DTLS, RTSP, H.235, RTMP, HTTP(S), TLS, FECC, H.224, H.281, Dante, NDI, VNC, LDAP, ICAP, CalDAV.
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. TrueConf Border Controller.
Bandwidth Requirements	2160p30 @ 8192 kbps, 1440p60 @ 4096 kbps, 720p60 @ 2048 kbps, 1080p30 @ 2048 kbps, 720p30 @ 1024 kbps, 480p30 @ 512 kbps, 360p30 @ 128 kbps, 180p30 @ 48 kbps.
API & SDK	RESTful API for TrueConf Server and TrueConf MCU; WebSocket API for TrueConf VideoSDK and TrueConf Room; SSH for TrueConf Group.
SSO and Multi-factor Authentication	Single sign-on technology via NTLM and Kerberos is supported. Integration with multi-factor authentication providers: AD FS and Keycloak (using a one-time password, SMS and email) and the OpenID Connect protocol.
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. Special modes for optimizing the operation of the client application in VDI systems are available.
Data Leak Prevention	Integration with major DLP systems via ICAP.
Cloud Support	Hybrid usage scenarios are available for federation between on-premises and cloud TrueConf solutions.
Tools for Developers	TrueConf Server API, TrueConf MCU API, TrueConf VideoSDK, TrueConf SDK for iOS and Android (developers.trueconf.com).
System Requirements	<p>For TrueConf Server:Debian, CentOS or Microsoft® Windows Server 2012 or later, Intel® Core i3-8100 CPU, Xeon® E3-2234 or better with PassMark score higher than 7000, 16 GB RAM, 20 GB on HDD, Ethernet 1 Gbps.</p> <p>The built-in H.323/SIP gateway requires additional system resources for each unique layout, regardless of the number of conference participants.One logical CPU core is usually needed to display the layout for an SIP/H.323 device in 720p resolution.</p> <p>Each server supports up to 100 SIP/H.323 connections, 500 WebRTC connections, and 3,000 connections via the TrueConf protocol.</p> <p>GPU encoding acceleration is available for NVIDIA® Pascal graphics cards or later. For example, NVIDIA® Quadro P2000 can support up to 20 individual H.323/SIP layouts with resolutions up to 720p.</p> <p>For desktop client applications: Microsoft® Windows 7+, Apple® macOS 10.12+, Linux*. For video calls in 2160p: Intel® Core i5-8600 or later, plus NVIDIA® GTX 1050 GPU. For video calls in 1080p30: Intel® Core i5 5th generation; for 720p30: Intel® Core i5 2nd generation; for 480p 30: Intel® Core i3 2nd generation; for 360p: Intel® Celeron (Haswell) is enough.</p> <p>For mobile devices: tablets and smartphones running Android 7+ and iOS 13+.</p> <p>For Smart TV: Android TV 7+, NVIDIA® SHIELD TV, Xiaomi MiBox 4/S, and various models of TVs running Android.</p> <p>* Arch, Debian 8+, Red Hat Enterprise Linux 8, CentOS 7+, CentOS Stream 8+, Fedora 28+, Mint 18+, openSUSE 15.0+, Ubuntu 16.04+.</p>



trueconf.com

TrueConf

TrueConf LLC
Semyonovskiy Val 10A, Moscow, 105094, Russia

sales@trueconf.com
+7 495 698-60-66
+1 833 878-32-63

© 2024 TrueConf LLC. All rights reserved. TrueConf and other trademarks used herein are trademarks of TrueConf or their respective owners. All specifications may be changed without notice. Some of the described features are planned to be implemented by the end of 2024.