



POLY PRIVATE CONNECT POWERED BY PEXIP

POLY SELF-HOSTED VIDEO PLATFORM

Every digital strategy is different and no organization is exactly the same. That's why our video platform isn't one size fits all. With Poly Private Connect, organizations have the flexibility to build and control their own platform—where and how they want it. Don't let technology dictate how you work. Let technology work the way you do.

BENEFITS

- Secure – Control of your deployment and data.
- Compliant – Meets stringent regulation and requirements.
- Personalized – Build personal experiences.

PLATFORM FEATURES

Application deployment and management

- Software-based, virtualized application architecture, running on industry-standard servers.
 - Management using industry-standard tools, including VMware vSphere, Microsoft Hyper V, KVM and Xen, and the ability to deploy onto generic hypervisors and orchestration layers.
 - Ability to deploy on Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP) and Oracle Cloud Infrastructure cloud platforms, including dynamic bursting into Azure, AWS or GCP services when primary conferencing capabilities are reaching their capacity limits.
 - Ability to seamlessly increase capacity by deploying new, updated, or additional hardware resources.
 - Management API supporting configuration, status reporting and call control.
 - Support for Russian, Korean, Traditional Chinese and Simplified Chinese language in the Pexip Infinity Administrator interface.
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Distributed architecture

- Efficient distribution to reduce bandwidth consumption over expensive WANs.
- Able to deploy dedicated Proxying Edge Nodes to handle all external connections, and leave the conference media processing to privately-addressed Transcoding Conferencing Nodes.
- Keeps media as local to each endpoint as possible, reducing the negative impacts of latency, jitter, and packet loss commonly experienced on centralized deployments.
- Able to overflow capacity between nodes and locations, providing support for conferences that span multiple physical boxes.
- Industry-leading resilience and redundancy capabilities.
- A flexible licensing model that allows you to pool conference resources and quickly increase capacity in response to current local requirements.

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- Virtual Meeting Rooms providing personal meeting spaces for everyone within the organization.
 - Virtual Auditoriums designed to hold larger lecture-style conferences.
 - Virtual Reception IVR (Interactive Voice Response) service.
 - Media Playback Service that allows you to play prerecorded video content to consumers.

Conferencing services

VMR Scheduling for Exchange enables Microsoft Outlook desktop and Web App users to schedule meetings using Pexip VMRs as a meeting resource. One-Touch Join enables the “click to join” functionality available in VTC endpoints.

Choice of layouts: main speaker only; main speaker + 7 video thumbnails; main speaker + 21 video thumbnails; main speaker + 33 video thumbnails; 2 main speakers + 21 video thumbnails; 4 main speakers (2 x 2); 9 main speakers (3 x 3); 16 main speakers (4 x 4); 25 main speakers (5 x 5); or Pexip's AI-driven Adaptive Composition layout featuring real-time automatic face detection and framing.

Broad interoperability and protocol support

- Full support for existing industry-standard protocols (SIP, H.323), as well as other technologies (HTML5, Microsoft Skype for Business/Lync, RTMP, WebRTC).
 - Integration with Microsoft Teams.
 - Integration with Google Meet.
 - Integration with Microsoft Exchange and Office 365.
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POLY PRIVATE CONNECT APPS

Standard features for all Connect app clients

- Can be used to join conferences as a full audio/video participant, an audio-only participant, or as a presentation and control-only participant.
- Can be used to make point-to-point calls in conjunction with the Infinity Gateway.
- Provides conference control to Host participants.
- Allows participants to share and view content, whether or not they are connected with video and/or audio. Supported formats are JPEG, BMP, PNG, GIF and PDF.
- Connect desktop app and Connect web app via Chrome or Firefox users can share their screen in addition to sharing images and PDFs.
- Chat (Instant Messaging) support.
- Supports sending of DTMF tones.

Connect web app

- Google Chrome version 79 and later (64-bit only) on Windows, Linux, macOS, iOS*, and Android*
- Mozilla Firefox version 68 and later (but v80 or later is recommended for improved network resilience) on Windows, Linux, macOS, and iOS*
- Microsoft Edge version 79 and later (64-bit only) on Windows and iOS*
- Apple Safari version 11.1 and later on macOS
- Apple Safari on iOS 11.2 and later

Connect desktop app

- Microsoft Windows 10
- macOS 10.11 and later
- Ubuntu Linux 16.04 and later
- Citrix virtual desktops
- Citrix virtual apps
- Note that 32-bit operating systems are not supported with the Connect desktop app.

Connect mobile app

- Connect mobile app for iOS (requires iOS 15.2 or later)
 - Connect mobile app for Android (requires Android 7.0 or later)
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AUDIO AND VIDEO SPECIFICATIONS AND CODECS

Supported protocols	H.323, SIP, WebRTC, RTMP, Microsoft Skype for Business / Lync
Connect web app	G.711(a/μ), G.719, G.722, G.722.1, G.722.1 Annex C, Siren7™, Siren14™, G.729, G.729A, G.729B, Opus, MPEG-4 AAC-LD (MPEG-4 video technology licensed by Fraunhofer IIS), Speex, AAC-LC
Video codecs	H.239 (for H.323), BFCP (UDP for SIP), VbSS (for Microsoft Teams and Skype for Business), RDP (for Microsoft Skype for Business / Lync) PSOM (for presenting PowerPoint files from Microsoft Skype for Business / Lync clients), VP8, VP9 (for WebRTC high frame rate), JPEG (for apps and web).
Bandwidth	Connections from 8 kbps per participant (G.729, audio-only), up to 6 Mbps per participant (will vary depending on the deployment environment, video resolutions, etc).