

The Acano Solution



Imagine having all of the tools your team needs to work together available in one place and always accessible. That's Acano. We are a fast-growing technology company with a fresh perspective on audio, web and video conferencing. We make teams work.

What it can do

The Acano communications platform unites previously incompatible audio, web and video conferencing technologies. Deploy it as a stand-alone solution or as middleware in your existing communications infrastructure. The Acano platform provides functionality such as cost-efficient audio and video conferencing bridging, interoperability (e.g. Skype/Lync) and browser access through a multitude of devices.

INTRODUCING COSPACES

coSpaces are the heart of the Acano Solution. A coSpace is a virtual meeting room that anyone can easily join no matter what technology they are using. coSpaces are always available; no reservations are required. coSpaces are unlimited so a coSpace can be created for every project and team. And just like in a war room or huddle room, a team can see notes and an agenda at any time.

ANY DEVICE

Everyone is able to use their preferred device: smartphone, tablet, laptop, video system or Lync client. Each person can have as many devices as they like and move seamlessly between them. Multiple devices can be used at the same time.

ONE USER EXPERIENCE

Phone calls, video calls and content sharing are the same on any device.

EVERYONE'S INVITED

coSpaces are about people exchanging ideas, whether they are from the same organization or many different ones. Anyone can be invited just by sending them a link, opening up opportunities for B-to-B and B-to-C services.

SMALL TO LARGE SCALE DEPLOYMENTS

Voice, video, and web for all - by the person, or by the port. Acano software is optimized for an X86-based Intel platform and reliably supports thousands of users per server.

The Acano Server will offer:

- Further scaling and resilience provided by native clustering.
- Automatic failover with no single point of failure.
- Call distribution and bandwidth management across servers in different geographical locations.

INTEGRATED

- Support for all major video standards. Seamless and automatic mixing of transcoding and switched/layered video provides an optimal experience for each user while efficiently utilizing available resources.
- Support for tens of thousands of audio ports, integrated IVR and a broad range of codecs.
- Support for sharing desktops, content and data including sharing from Lync clients.

SECURE

Acano uses "clean slate" technology and a secure development lifecycle. With FIPS, JITC and Common Criteria certifications, Acano adheres to the most stringent of security models.

How it's deployed

Acano is a software-based solution that can be deployed on the optimized Acano Server or on standard servers in a virtualized environment. People access audio, video and web at any time through clients on their PCs, Macs, tablets and mobile phones.



ACANO SOFTWARE

Acano software has two components: Acano Core and Acano Edge:

Acano Core

- Handles management, conferencing and media.
- Provides interoperability with external systems and infrastructure, including Avaya, Cisco, Microsoft and Polycom.

Acano Edge

- Handles web services and the WebRTC client.
- Manages XMPP.
- Provides ICE, TURN and STUN for secure NAT traversal.

CLIENTS

Acano clients are available for:

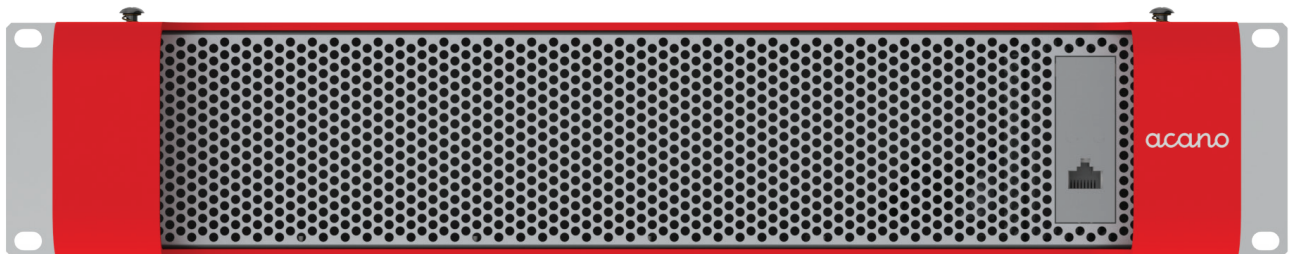
- Windows XP, v7, v8
- iPad and iPhone
- Mac

WebRTC and browser access:

We support WebRTC in all standards-compliant browsers and joining via clients for all other web browsers.

Platform agnostic

Acano software can be implemented on the platform that best meets the strategic IT needs of the organization.



ACANO SERVER

The Acano Server is the best choice for scale and performance.

Energy efficient.

The Server is built on an Intel X86 platform and at just 2U high packs a lot of power even as it conserves it. The Acano Server is energy efficient, offering five times the performance-per-Watt of other solutions.

Audio, video and web for all employees.

A single deployment can provide audio, video and web for 2500 employees using a user model. From a port capacity perspective, Acano provides the elasticity to expand quickly without concern for the infrastructure.

Unprecedented capacity.

In terms of capacity, a single Acano Server deployment supports more than:

- 250 HD calls
- 500 480p calls
- 600 Lync video calls
- 1,500 web calls (audio and content)
- 10,000 audio calls

ACANO VIRTUALIZED

Acano Core and Edge software can also run in a virtualized environment on standard servers. The Acano virtualized solution provides flexibility and rapid deployment.

ACANO IN THE CLOUD

Acano software can also be deployed on a cloud compute service such as Amazon Elastic Cloud (EC2) for resizable capacity.

CONNECTING CISCO AND MICROSOFT

- Existing investments in Microsoft Lync, Cisco Telepresence, Cisco CUCM and Cisco VCS are maintained.
- Native functionalities work together, including voice, video and chat.
- Technology is transparent to users.

Specifications

VIDEO STANDARDS

- H.263 (+,++)
- H.264 AVC (Baseline and High Profile)
- H.264 SVC
- H.265
- TIP
- WebM, VP8/VP9
- Microsoft RTV
- Bandwidth up to 6000kbps
- Frame rates and resolution up to 1080p 60fps
- HTML5/WebRTC

AUDIO STANDARDS

- AAC-LD
- Speex
- Opus
- G.722, G.722.1, G.722.1c, G.728, G.729a, G.711a/u

COSPACES

- Virtual meeting rooms for audio, video and web
- Unlimited; one for each person, project and team
- Persistent chat
- List active participants
- Presence for coSpaces
- IM to coSpace message boards
- Ability to move the call from one device to the next
- Ability to split the audio, video and data between separate devices

CALLS

- Point-to-point and multipoint calls
- Scheduled, coSpace and ad hoc calls
- Scheduling with email invitation (WebRTC)
- Call escalation
- Participant lists
- Call summary
- Call quality information
- Audio, video and content sharing up to 1080p resolution
- Dynamic layouts
- Contacts, directory entries and favorites

SHARING

Share desktops, content and data. Includes ability to share from Lync clients with support for RDP, BFCP and H.239.

MANAGEMENT

- Server management
- LDAP driven scripting language for configuration
- REST API for assets, monitoring, diagnostics
- CDR streaming for auditing
- Syslog for diagnostics
- Multi-tenancy support
- SNMP
- Backup/restore

Specifications

INTEGRATION

- Management API
- Active Directory / LDAP integration for phone directory and user management
- LDAP
- Microsoft Exchange and Outlook integration
- NAT / Firewall traversal
- SIP trunking
- Interoperability with Lync Edge servers

THIRD PARTY INTEGRATION

- Lync 2010, 2013 server and Office 365. Lync clients on PC and Mac
- Firewall traversal using Lync Edge
- Content for Lync clients:
 - To - in main video
 - From - native Lync with RDP
- Standards-compliant SIP/H.323 endpoints includes Cisco, Polycom and Lifesize
- Cisco CUCM and Cisco VCS
- Avaya SIP PBX
- Polycom DMA
- Acme Packet/Sonus SBC

SECURITY

- IP media (video and audio) is AES encrypted (industry standard SRTP)
- All control data is authenticated/encrypted (industry standard TLS/SSL)
- Domain Name System Security Extensions (DNSSEC)
- IPv6 support
- A security code/pin option for coSpaces
- On-screen visual indication of audio-only participants and encryption status
- Windows Acano Secure Development
- Lifecycle: secure by design, implementation and support in the field
- Field industry-standard strong cryptography protection of communications
- Encrypted storage with secure erase for total data ownership
- JITC Certified
- FIPS-140-2

QUESTIONS?

ask@acano.com

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