



# Blue Jeans and Internet2

Easy-to-use video conferencing for universities

Blue Jeans Network and Internet2 have partnered to offer a cloud-based video conferencing service to the higher education community that eliminates the need for expensive, dedicated video hardware or software.

Video Collaboration  
in the Cloud  
Video Conferencing +  
Rich Content Sharing

## Internet2 NET+ Service Validation Participants

- ✓ The Wharton School of the University of Pennsylvania
- ✓ University of Michigan
- ✓ University of South Florida
- ✓ University of North Carolina Eshelman School of Pharmacy
- ✓ Brandeis University



### Internet2 Backbone Access

The direct connection between the Internet2 Network and the Blue Jeans cloud ensures that all Blue Jeans video meetings leverage the high-speed Internet2 backbone.

This ensures high-quality meetings that are resilient with minimum packet loss, latency and jitter.

### Single Sign-On Integration

Students, faculty and staff can use their existing campus login credentials to access the Blue Jeans service.

Blue Jeans supports Single Sign-On (SSO) through leading federated identity management systems like Shibboleth, ADFS, Okta, Ping Identity and many more.

### Trusted Service

All Internet2 customers can have peace of mind as Blue Jeans underwent a thorough security review of its cloud-based infrastructure by the Chief Information Security Officers of the five participating universities during the Internet2 NET+ Service Validation process.

Further, members enjoy standard agreements and the best possible pricing

### Value for Higher Ed

Blue Jeans pricing through Internet2 is based solely on the number of faculty and staff at the university; all students, regardless of school size, get access for free.

This means everyone within the university will be able to host unlimited meetings, use unlimited minutes, and join using any video-enabled endpoint; all for one flat fee for up to 3 years.



## About Internet2

Internet2 is a non-profit organization whose 450+ member organizations develop and deploy advanced network, cloud, and trust technologies that empower new capabilities for U.S. research and higher education. Members represent a wide range of research and academic disciplines and include leading U.S. universities, corporations, government research agencies and not-for-profit networking organizations.

## Specifications

### Video Codecs and Resolutions

Web Browser	H.264, H.264HP up to 1080p HD
Google Video Chat	H.264 up to 640X400
Microsoft Lync	H.263 up to CIF, RTV up to 720p HD
Room Systems	H.261 up to CIF, H.263 up to 4CIF, H.264 up to 720p HD, H.264HP up to 720p HD
Telepresence	H.261 up to CIF, H.263 up to 4CIF, H.264 up to 720p HD

### Encryption

Web Browser	AES-128 (SRTP), TLS Authentication
Google Video Chat	AES-128 (SRTP), TLS
Microsoft Lync	AES-128 (SRTP), TLS
Room Systems	H.235 v3, AES-128
Telepresence	H.235 v3, AES-128, TLS

### Audio Codecs

Web Browser	Opus
Google Video Chat	ISAC
Microsoft Lync	G.711 (μ-law, A-Law), G.722, G.722.1, 24K, Siren 14
Room Systems	G.711 (μ-law, A-Law), G.722, G.722.1, G.722.1c/Siren 14, G.729
Telepresence	G.722
PSTN Audio	G.711 (ulaw, ALaw), G.729AB

### Meeting Room Security Features

- Randomized 9 digit meeting id's
- Meeting PIN code options

Visit [internet2.bluejeans.com](http://internet2.bluejeans.com) for more information

### Call Signaling

Web Browser	SIP
Google Video Chat	XMPP
Microsoft Lync	SIP
Jabber	SIP
Room Systems	H.323, SIP
Telepresence	H.323, SIP

### Content Sharing

Web Browser	Send/Receive, H.269HP
Google Video Chat	Receive
Microsoft Lync	Send RDP/Receive
Jabber	BFCP
Room Systems	H.239, H.263+, H.264, H.264HP
Telepresence	BFCP, H.239, H.263+, H.264

### Video Sharing

Supported File Formats	WMV, MOV, MP4, AVI, MPEG, MPG, FLV, F4V, OGV, OGG and WEBM
Playback	Synchronous
Storage	Per account, 50G soft limit
Resolution	Up to 1080p
Supported Devices	Receive on all supported devices

### Meeting Layout Options

- Constant Presence (Hollywood squares mode up to 9 squares)
- Voice activated video switching