

BOW Version 4.2 Meeting Server



The Bow Meeting Server is a software product that manages audio, video and data virtual meetings, allowing participants to fully collaborate online.

The Meeting Server sets up point-to-point and multi-point communication connections, supporting any standards based video endpoint. It controls the flow of audio, video and data between meeting participants.

A variety of meeting and conference types are supported, chairman-controlled meetings, classroom style lectures, open forum, scheduled or ad-hoc meetings.

Solution Overview

The Meeting Server is available in two models, SD only for use with standard definition clients or HD/SD mode for use with both SD and HD video endpoints. It is architected to be deployed as a private system across an organisation's network or as the hub of a public virtual meeting service.

The Bow Meeting Server is implemented entirely in software. This means the system can grow as your meeting needs grow. Expansion is done by the addition of software licenses that can increment in steps of just one.

With Bow every person in an organization can have access to virtual meetings. The scalability means the larger the deployment, the more cost effective the system becomes.

BOW virtual meetings are as
good as being there.
Achieve More; Travel Less.

Product Highlights

Extend Your Existing Communication Systems

The Bow Meeting Server can be an add-on to your existing investment in conferencing systems. Meeting participants can use existing video room systems or the Bow software endpoint.

Add collaboration and data sharing to video meetings

The Bow Meeting Server can act as a multipoint bridge for data collaboration as well as the video and audio streams in a virtual meeting.

Scalable - Evolves with Your Needs

The flexibility of software means that the Meeting Server is designed to meet the demands of the smallest to the largest of deployments.

FEATURES

VIRTUAL MEETINGS

Face-to-face virtual meetings from your personal computer or video conferencing systems.

AS GOOD AS BEING THERE

You can see and hear the other participants in virtual meeting rooms from two to hundreds of colleagues. Includes all the data sharing and collaboration tools to make your meetings as productive as if you were in the same room.

USE FROM ANYWHERE

Join a meeting from a video meeting room, from home or your desk at work. All you need is a connection to the Internet.

Specifications

MCU	
Protocols	H.323 version 4 and above (ITU-T). Bow Collaboration application sharing. H.239 additional media. WebDav document distribution.
Codecs	Audio – All calls: G.711, G.722, G.722.1 (Siren7 & 14), MPEG4, plus TDAC24, TDAC32 Video – All calls: H.261, H.263 and H.264 Video Resolution – HD (1080p, 720p), W432P, CIF, QCIF
Server Software	REDHAT Linux: Enterprise or Advanced Server version 5 and above. 64-bit only. CentOS version 5 and above. 64-bit only.
Hardware Requirements	Minimum Recommendation for HD: Intel Xeon X3450 2.67GHz 4GB RAM, or Intel dual quad Core E5504 2.00GHz 4GB RAM or above
Scalability	From 3 to tens of thousands of users in a single logical system. From 3 to 550 participants in a single meeting.
Gatekeeper	
Supported Registrations	H.323 terminals. Visual Nexus Endpoint. Gateways. Other MCUs.
Authentication	Bow Endpoint user name / password login via XML request. May use external LDAP server (e.g. Active Directory).
Dial Plans	Can utilize combination of E.164, H.323 alias and IP addresses.
Call Controls	H.323 version 4 and above. Fast-start. Call routed or Call direct. H.245 routing.
Neighboring and Call Routing	Based on E.164 prefix and/or priority. LRQ transmission for unresolved addresses for up to 10 neighbor gatekeepers
Call Forwarding Policies	Forwarding policies for each endpoint presence state (online, offline, busy). Gateway out of resources forwarding based on priority.
Registration Policy	Open – any device may register with/without a User account. Closed – only devices with a user account may register.
Meeting Access Policy	Conference may be open or restricted. Access may be restricted on IP address, E.164 number, H.323 alias or Admin dial out only. Maximum number of participants may be specified.
Bandwidth Control	Policies for max bandwidth per endpoint or per conference: STATIC – no more endpoints may join once maximum is reached. DYNAMIC – new endpoint may join conference but each endpoint degraded to stay within maximum bandwidth.
Call Detail Records	IP Telephony v3.51 supported
Other features	
Presence server	H.323 presence showing contact Status – Offline, Online, Busy; and Meeting Room Status – Available, In Session, Scheduled.
Multi-tenant operation	Multi-tenant mode creates multiple virtual meeting servers on a single platform. Each tenant may administrate their own user accounts and virtual meetings.
Administration	BOWOnline web portal - Administrators may create accounts and meeting profiles, monitor system usage, manage licenses and gatekeeper rules.

In our constant effort to improve solutions we reserve the right to change or modify features and specifications without notice.

FEATURES

MULTIPLE MEETING TYPES

Meetings can be:

- **ad-hoc**: making a call to other online users
- **Scheduled**: where invites are sent out to others to join a private meeting
- **Moderated**: where a meeting chairman decides who can speak or present

- **Lecture mode**: where participants only see the presenter, but the presenter can see all participants.

IN HOUSE OR HOSTED

The solution can be deployed as a private in house system or used to create a hosted service.

ADD DESKTOP VIDEO

Because Bow complies with industry standards, it can be used to add remote desktop video to existing video conferencing systems.