JITSI Encrypted Teleconferencing

Installation

- https://jitsi.org/Main/Download
- Identify your OS and dowload
- Command line: sudo apt-get install jitsi

Using Jitsi

- Once you install Jitsi, you can customize it by entering you email addresses or favorite messenging protocol.
- The contacted parties should install Jitsi.
- Add your contacts.
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Jitsi Dev

- Jitsi is mostly written in Java[26] which helps reuse most of the same code over the various operating systems it works on. Its GUI is based upon Swing. The project also uses native code for the implementation of platform specific tasks such as audio/video capture and rendering, IP address selection, and access to native popup notification systems such as Growl.

What is Jitsi?

- Jitsi (formerly SIP Communicator) is a free and open source multiplatform[4] voice (VoIP), videoconferencing and instant messaging application for Windows, Linux and Mac OS X. It supports several popular instant-messaging and telephony protocols, including open recognised encryption protocols for chat (OTR) and voice/video/streaming and voice/video conferencing (SIP/RTP/SRTP/ZRTP), as well as built-in IPv6, NAT traversal and DNSSEC. Jitsi and its source code are released under the terms of the LGPL.[4]

Supported Protocols

The following protocols are currently supported by Jitsi:[4]

- MSNP (Microsoft Messenger service, commonly known as MSN, .NET, or Live; no multimedia support)
- OSCAR (AIM/ICQ/MobileMe)
- SIP/SIMPLE
- XMPP/Jingle (Google Talk, LJ Talk, Gizmo5, Facebook Chat, …)
- YMSG (YIM; only basic chat and file transfers)

Encryption Protocol

- Call encryption with SRTP and ZRTP

Jitsi Features

- Jitsi supports multiple operating systems, including Windows as well as Unix-like systems such as GNU/Linux, Mac OS X and BSD. Plans for an Android version are on hold.[20] It also includes:

- Attended and blind call transfer
- Auto away
- Auto re-connect
- Auto answer and Auto Forward
- Call recording
- Call encryption with SRTP and ZRTP

Jitsi Has So Many Features

- Voice and video calls for SIP and XMPP using H.264 and H.263 or VP8[22] for video encoding
- Wideband audio with SILK, G.722, Speex and Opus[22]
- DTMF support with SIP INFO, RTP (RFC 2833/RFC 4733), In-band
- Zeroconf via mDNS/DNS-SD (à la Apple's Bonjour)
- DNSSEC
- Group video support (Jitsi Videobridge)[23]
- Packet loss concealment with the SILK and Opus codecs[24] [25]

More Features

- Conference calls
- Direct media connection establishment with the ICE protocol
- Desktop Streaming
- Encrypted password storage using a master password
- File transfer for XMPP, AIM/ICQ, Windows Live Messenger, YIM
- Instant messaging encryption with OTR
- IPv6 support for SIP and XMPP
- Media relaying with the TURN protocol
- Message Waiting Indication (RFC 3842)