jingle:
jabber does multimedia
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what is jabber?
open technologies
real-time messaging
streaming xml
4 different IM clients
multiple accounts
no interoperability
and no federation
scratch an itch
foster freedom of conversation
more than a server
add-on components
client-server architecture
decentralized network
native server-to-server
seamless federation
like email, but really fast
with built-in presence
no server spoofing
and no spam
xml wire protocol
formalized through ietf
xmpp
rfcs 3920 + 3921
50,000+ servers (?)
25+ million users (?)
clients for every platform
libraries
for every language
deployed worldwide
wall street banks
hp, eds, oracle, fedex
orange, ntt, wanadoo, sapo.pt, bell south
google, apple, sun
and you
run your own server
write your own components
integrate with your own systems
build competitive advantage
this is a good thing
jingle
xmpppp extensions
modular framework
multimedia session management
negotiate session parameters over xmpp
use binary-friendly transport for media
pluggable transport methods (rtp, iax, etc.)
pluggable session types (audio, video, etc.)
sound familiar?
why jingle?
jabber interest in multimedia since 1999
enable jabber clients to do voice, video, more
need standards for interoperability
dual xmpp/sip clients?
issues
addressing
(unicode in xmpp)
authentication

(mandatory in xmpp)
sender identity
(validated in xmpp)
traffic validation
(xmpp schemas)
manageability
(client-server in xmpp)
presence (native in xmpp)
contact lists
(native in xmpp)
presence subscriptions
(long-lived in xmpp)
25+ million jabber users can’t be wrong
multimedia goodness for xmpp federation
jabber inc.

(they pay me)
google talk
and others
pluggable framework
transports:

rtp, raw udp, iax
media formats:
audio, video
more transports and formats on the way
support coming to...
google’s libjingle
many more jabber clients
providers, telcos, hw/sw vendors
interoperability with sip, iax, h.323, etc.
open standards
open-source or commercial
buy or build
deploy as you please
play with others
talk with everyone
no silos
no guano
open technologies
open network
the way life should be