

jingle:

jabber does multimedia

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jingle

modular framework

# multimedia session management

negotiate session  
parameters over xmpp

use a binary-friendly  
transport for media

pluggable transports

pluggable media types

sound familiar?

sip

why jingle?

community interest in  
multimedia since 1999

enable jabber clients to  
do voice, video, & more

need standards for  
interoperability

past approaches

h.323

proprietary xmpp  
extensions

“tins”  
(sdp over xmpp)

dual-headed  
xmpp+sip clients

issues

two centers of control  
(sip and xmpp)

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)

buddy lists [tm]  
(native in xmpp)

presence subscriptions  
(long-lived in xmpp)

50 million jabber users  
can't be wrong

bring multimedia  
to xmpp network

build a native xmpp  
signalling protocol

ensure interoperability  
with sip

not trying  
to supplant sip

not trying to build  
full telephony app

adding jabber users  
to open voip networks

early version developed  
with sip guru

cto @ jabber inc.  
(they pay me)

google talk

standardization  
in progress

# xmpp standards foundation

specs in XSF's  
XEP series

xep-0166:  
framework

session types...

xep-0167:  
audio

xep-0180:  
video

appcasting, file transfer,  
whiteboarding?

transports...

хер-0176:  
ice-udp, ice-tcp

xep-0177:  
raw udp

rtmp, bytestreams?

support in or  
coming to...

google's libjingle  
(c++ library)

clients: psi, gajim,  
jabbin, etc.

telepathy / gnome

various devices  
(nokia 770/800, etc.)

portugal telecom, etc.

yate

freeswitch

asterisk

federate pbx's  
over xmpp backbone

gateways to sip

informational rfc  
(eventually)

issues...

re-use of ICE  
(too complex?)

mapping to SDP  
(too simple?)

join the conversation...