

jabber

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jabber



context

1800: 2 years
(sailing ship)

1914: 1 month
(steamship)

1950: 1 week
(airmail)

1980: 2 days
(overnight mail)

1994: 10 minutes
(email)

1999: 1 second
(instant messaging)

half life of information
is shrinking

need to build the
real-time internet

powered by
real-time messaging

powered by
presence

know when people,
devices, apps are online

what is jabber?

open technologies

real-time messaging

presence

streaming xml

jeremie miller

1998

tired

4 different im clients

multiple accounts

no interoperability

scratch an itch

foster freedom of
conversation

open-source messaging
and presence server

jabberd

january 4, 1999

more than a server

clients

libraries

add-on components

multiple server
codebases

client-server architecture

decentralized
network

inter-domain messaging

like email, but really fast

with built-in presence

no spam

xml wire protocol

standardized
through ietf

xmpp

rfcs 3920 + 3921

more than protocols

50,000+ servers (?)

30+ million users (?)

clients
for every platform

libraries
for every language

deployed worldwide

wall street banks

u.s. government

hp, eds, fedex

orange, bell south,
ntt, vonage

google, apple, sun

and you

run your own server

write your own
components

integrate with your
own systems

build competitive
advantage

open technologies

this is a good thing

full layer 7 xml router /
presence engine

extensible from the
ground up (pure xml)

application server for
the real-time internet

applications?

built on presence

“the new dial tone”

boring!

a catalyst for
communication

beyond presence:
identity / capabilities

not just
person to person

person to
application

application to
application

one-to-one IM

groupchat

just teen chat, right?

wrong!

ex: trading desks
(investment banks)

ex: incident rooms
(capwin)

ex: expert support
(qunu)

geolocation

ex: vehicle tracking
(trakm8)

data syndication

ex: real-time rss/atom
(feedmesh)

ex: real-time
financial modelling

intelligent workflow processing

ex: energy trading
(netenergy)

ex: sales / logistics
(reynolds + reynolds)

whiteboarding w/svg
(inkboard etc.)

collaborative editing

soap + rpc
(xfire)

getting the message?

[insert your
format here]

ex: network
management

social networking
(tagging / microformats)

digital identity
(openid integration)

single-sign on
(http auth via jabber)

voip

jingle
(google talk)

call negotiation
over xmpp channel

voice traffic
over media channel

asterisk federation

look ma, no bell!
(route around telcos)

join the fun...

are we done yet?

just the beginning

presence in
thunderbird?

geoloc updates
for plazes?

music updates
for last.fm?

collaborative editing
for openoffice?

[insert your idea here]

download a client

linux

windows

mac

palm

j2me

sympbian

amiga

newton

you get the picture

create a free account

thousands of servers

google talk

live journal

dreamhost etc.

download a server

jabberd

(C)

wildfire
(java)

ejabberd
(erlang)

djabberd
(perl)

python server
on the way?

libraries:
lots of options!

loudmouth

(C)

libstrophe
(C)

gloox
(C++)

xiff
(flash)

smack
(java)

jso
(java)

jabber-net
(.net)

net::xmpp
(perl)

jabberclass @ blitzaffe
(php)

xmpp.py
(python)

twisted words
(python)

xmpp4r
(ruby)

and more

not proprietary
systems

open IETF standards

more extensions daily
(JEP series)

open-source and
commercial

mix and match

buy or build

deploy as you please

play with others

talk with everyone

build competitive
advantage

open technologies

innovate
at the edges

you have the power

the power of presence

the power of
extensibility

the power of real-time
communications

join the conversation

let's build the
real-time internet