

Open Source IM: Jabber

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History...

- **1999** Slashdot announcement
- **2004** IETF RFC 3920-3921
- **2005** Google Talk
- **2006** Google libjingle VoIP lib (BSD-license)
- **2007** ?

Industrial places

- **Telcos:** Portugal Telecom, United Internet Deutschland, Bell South, hungarian freemail (...)
- **Commercial support:** Sun, HP, Oracle, Apple, Adobe
- **Enterprise deployments:** FedEx, Wall Street banks, US Armed Forces

The implementations
mentioned after this
point are distributed
with open source
licences

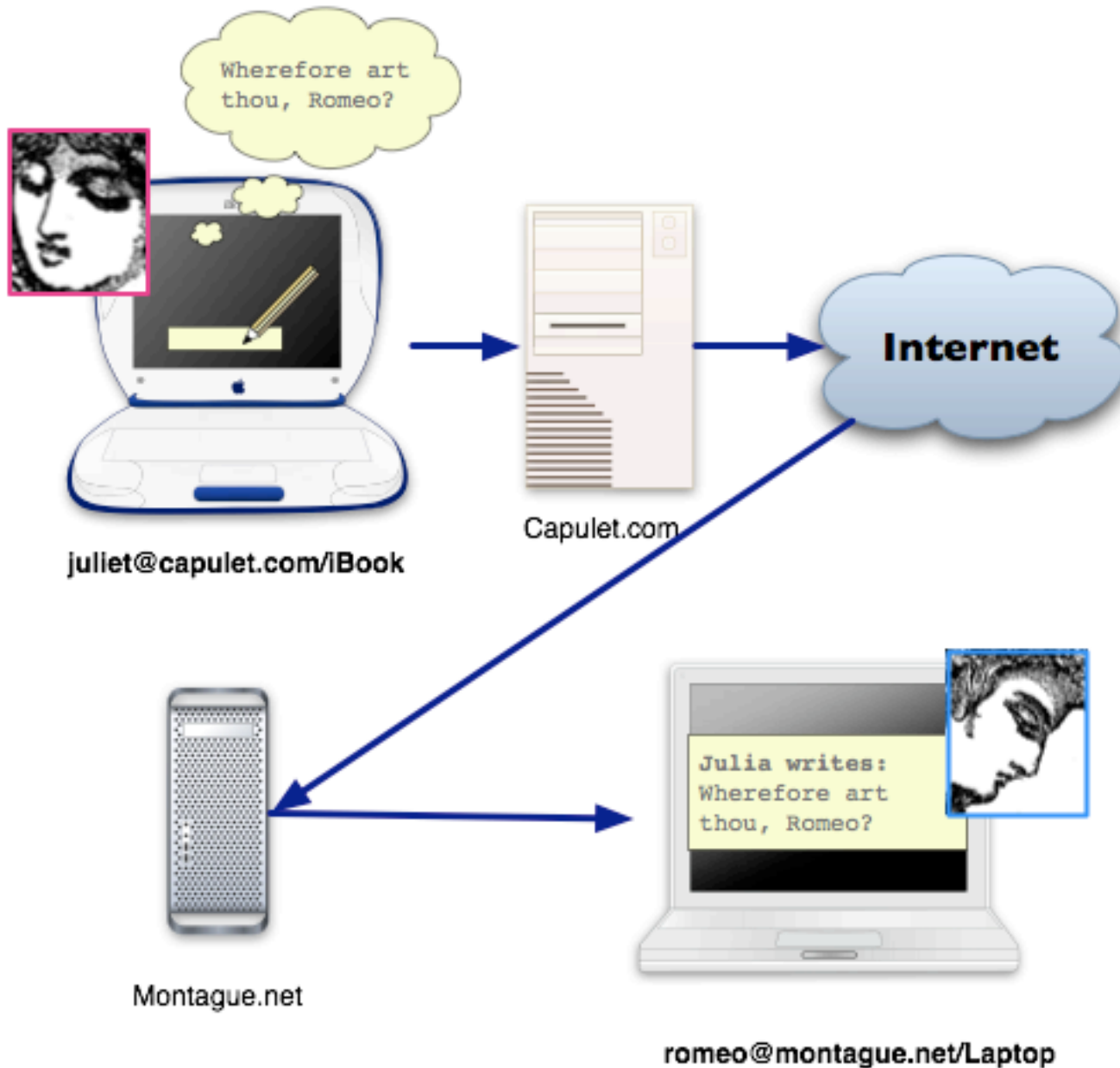
Jabber as part of architecture

- OLPC Sugar
- Nokia Maemo
- Google Android (do source exists?:)

Technology

- e-mail-like
- username@serviceprovider.tld
- Anyone can host a server

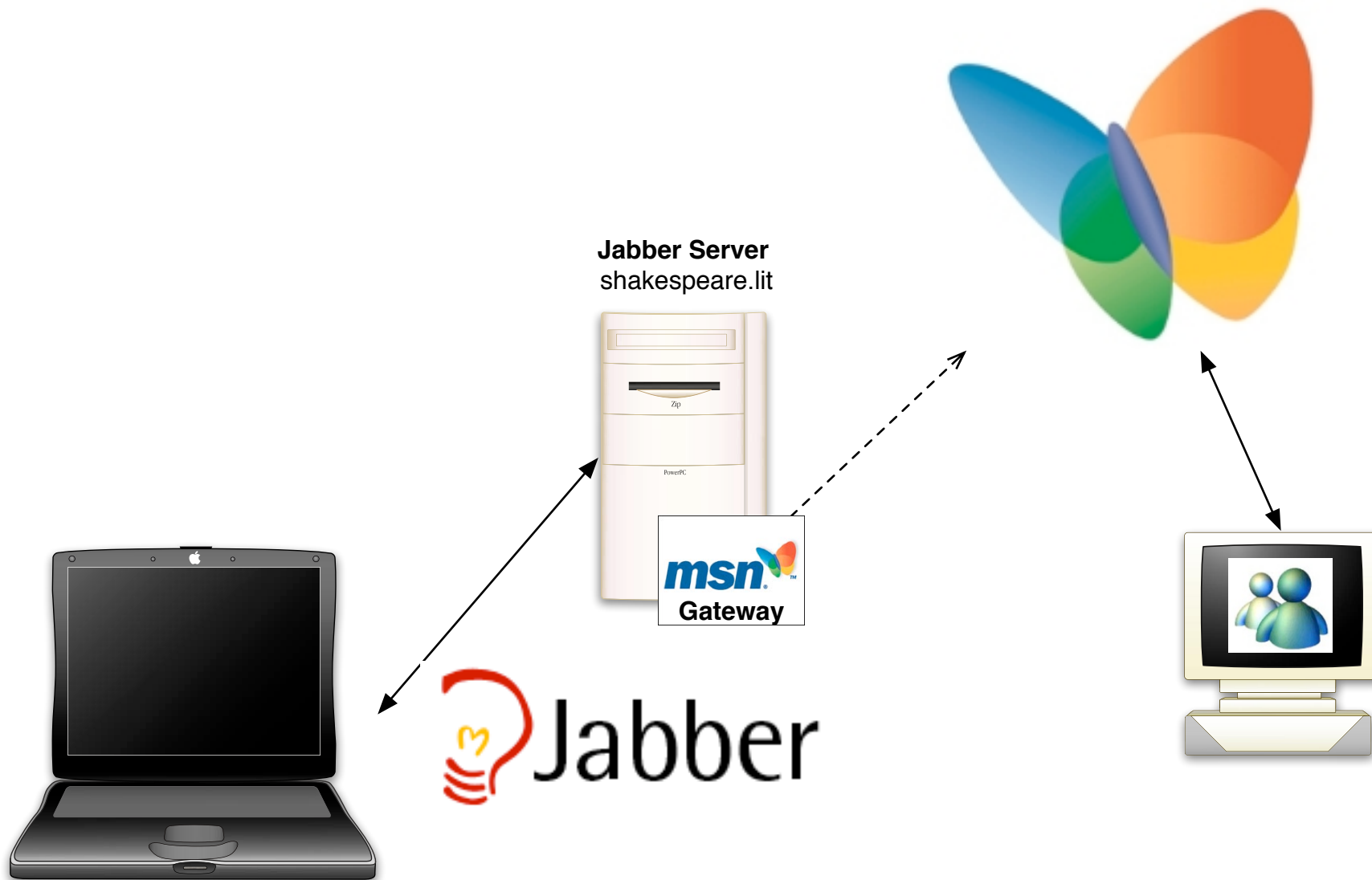
Technology



Technology

- Continuous, authenticated connection (vs: HTTP in general)
- Messages, groupchat, Online/Away/etc...
- **Broadcast:** Where I am, What I'm listening to, what I'm reading - machine2machine too!
- Base protocol + XEP
- Transports

Transports



What is it for?:)

- Open source, open, etc :-)
- Real time (,) Social Network
- Internal communication in enterprises, customer chat
- Communities?
- Broadcast?

Clients

- Desktop: Psi, Gajim, etc
- Mobil: Bombus*
- Web: jwchat

Libs

- **Java:** Smack
- **Perl:** Net::XMPP
- **C++:** gloox
- **Python:** many-many
- **JavaScript:** jsjac, **Flash:** XIFF
- **Ruby:** xmpp4r (twitter, jaiku)
- ...and nearly all other languages

Server

Jive Openfire

- Java - nice code!
- administration interface, install - convenient!
- VoIP, Flash VoIP beta
- Less scalable, only one domain (~10 000 users)
- www.igniterealtime.org

ProcessOne ejabberd

- Absolutely scalable (even 1 million concurrent users)
- Virtual domain handling
- Better modularity, but: auth plugin in any language
- Admin interface not as good, erlang
- ejabberd.jabber.ru

Integrating into existing web-based systems

- Frames (new JSJaC can survive navigation)
- Authentication plugin needs to be written (or get to know the password)
- Optional: web presence icon (ie. Skype, ICQ)
- Social network: everyone knows everyone
- DIMP ejabberd module?

Integrating into other systems

- SamePlace in thunderbird and firefox
- Important: extendability!
- Code-on-demand

Unified, open IM
network in Hungary

Open IM network

- Large e-mail providers
- It can be done!
- Smiley protocol on its way :)
- School, business deployments
- jabber.hu anyone?

Infos

- <http://jabbermania.blogspot.com>
- <http://www.jabber.org>
- <http://www.xmpp.org>