

Salut à Toi

Multi-Frontend, Multi-Purpose XMPP client

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FOSDEM

Saturday 4th February 2012



Plan

- Overview of the project

- Why a multi-frontend client ?

 - Current frontends

 - Ideas

- Architecture and technologies used

 - Overview

 - Frameworks and libraries

 - Plugins

 - Why choosing XMPP ?

- Quick overview of misc features

- XMPP as a replacement of standard email network

 - Current e-mail network weakness

 - Why XMPP should replace e-mail network

- Conclusion

 - Artworks used

 - Salut à Vous

Overview of the project

Salut à Toi is a *XMPP* client

- ▶ multi-frontend
- ▶ multi-purpose
- ▶ with plugins
- ▶ Libre (free as in freedom) \o/

Why a multi-frontend client ?

different possibilities:

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- ▶ one client for one platform
- ▶ a cross-platform toolkit (Gtk, Qt, WxWidgets, ...)
 - ▶ easy to develop
 - ▶ but same UI everywhere
 - ▶ only work for GUI

Why a multi-frontend client ?

different possibilities:

- ▶ one client for one platform
- ▶ a cross-platform toolkit (Gtk, Qt, WxWidgets, ...)
 - ▶ easy to develop
 - ▶ but same UI everywhere
 - ▶ only work for GUI
- ▶ SàT approach
 - ▶ One Backend to rule them all,
 - ▶ One Backend to find them,
 - ▶ One Backend to bring them all and in the darkness bind them

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Current frontends

Jp



CLI



Primitivus



Text User Interface

Wix



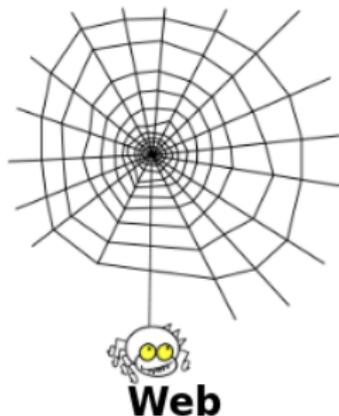
Desktop GUI

Bellacio



WIP GUI

Libervia



Web

Why a multi-frontend client ?

No, Web is not the only way to do

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- ▶ Your browser is not an OS

Why a multi-frontend client ?

Some things you can do with multi-frontends

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- ▶ separated widgets (e.g. plasmoids)

Why a multi-frontend client ?

Some things you can do with multi-frontends

- ▶ close your GUI and continue on TUI
- ▶ scripts
- ▶ separated widgets (e.g. plasmoids)
- ▶ specific use cases

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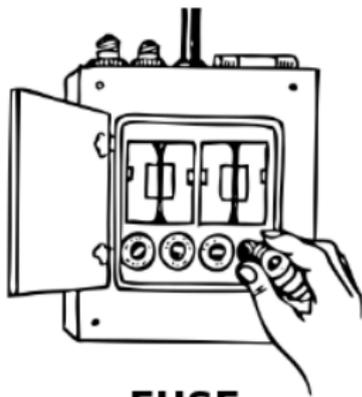
What's next ?



Handicap



Small screens



FUSE



Whatever

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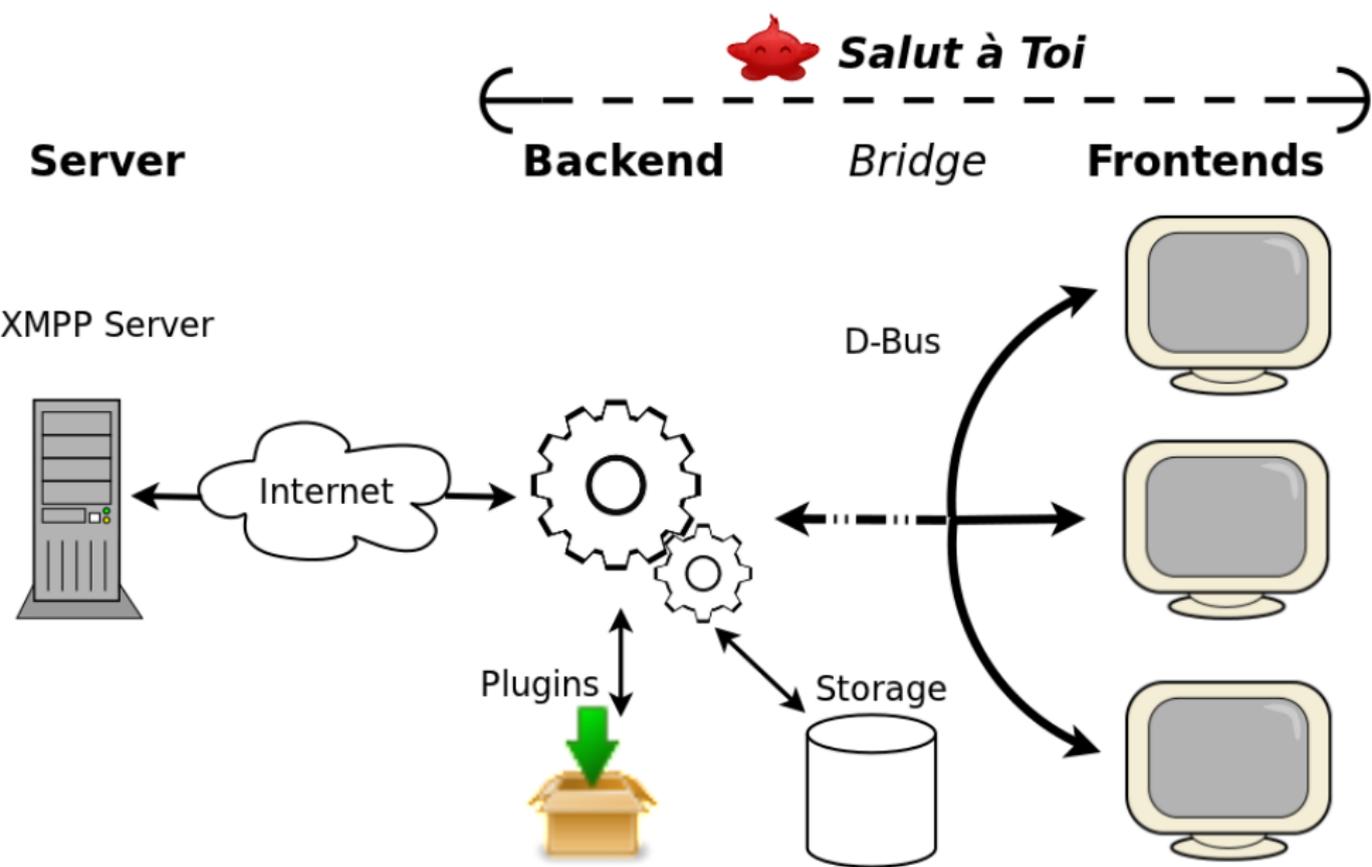
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- ▶ Python
- ▶ Twisted + Wokkel
- ▶ D-Bus
- ▶ Urwid, Qt, WxWidgets, Pyjamas

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- ▶ XMPP extensions are mostly plugins
- ▶ XMLUI for generic UI
- ▶ or frontend-specific UI

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Why choosing XMPP ?

- ▶ Libre
- ▶ Standard
- ▶ Decentralised
- ▶ Federated
- ▶ Extensible

Heavy messaging

Gateways

Microblogging



Games

File sharing

XMPP

Pubsub features

Instant messaging

Events organisations

Videoconferencing

Etc

Quick overview of misc features

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- ▶ social contract

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- ▶ social contract
- ▶ microblogging
- ▶ group permissions
- ▶ stdout stream over XMPP
- ▶ file copy
- ▶ games
- ▶ collective radio
- ▶ MUA (email client) friendly

Contacts

Nouvelle-Calédonie

famille

amis

louise@tazar.int

elisee@tazar.int

pierre@tazar.int

buenaventura@tazar.int

pierre@tazar.int on 2011-07-07 19:11:36

 reblah

elisee@tazar.int on 2011-07-06 02:57:53

 resalut

louise@tazar.int on 2011-07-06 02:40:13

 blah blah aussi

Nouvelle-Calédonie

louise@tazar.int on 2011-07-06 02:40:13

 blah blah aussi

famille

pierre@tazar.int on 2011-07-07 19:11:36

 reblah

louise@tazar.int on 2011-07-06 02:40:13

 blah blah aussi

pierre@tazar.int

louise@tazar.int

00:05 [goffi] salut louise
00:46 [goffi] salut louise
00:58 [goffi] salut louise
14:16 [goffi] salut louise !
14:16 [louise] salut goffi :)
15:23 [goffi] biha

elisee@tazar.int

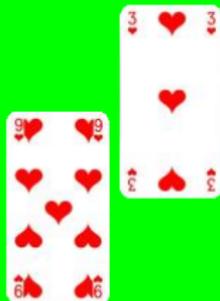
16:24 [elisee] blah blah
16:26 [elisee] blah
16:28 [elisee] test
16:32 [goffi] salut

Discussions

libervia

Games

piotr



goffi

mikhail



Contacts

elisee
l_entraide
 mikhaïl
 piotr

l_entraide@conference.necton2.int
 mikhaïl

piotr

03♥ -
 09♥

elisee

03♠ 04♠ 05♠ Va♠ Da♠ 07♥ 08♠ Da♠ 04♦ 07♦ Da♦ 02A 04A 07A 14A 18A 19A

Les libertés ne se donnent pas, elles se prennent.

[23:14][l_entraide] Ce salon de discussion n'est pas anonyme.
 [23:33][l_entraide] Ce salon de discussion n'est pas anonyme.
 [23:38][l_entraide] Ce salon de discussion n'est pas anonyme.
 [23:43][goffi] piotr: il a l'air sympa ton bouquin, tu peux m'en envoyer une copie ?
 [23:44][piotr] goffi: pas de problème
 [23:45][piotr] bon on se le fait ce Tarot ?

elisee
 goffi
 mikhaïl
 piotr

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- ▶ spam

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Current e-mail network weakness

- ▶ address spoofing is kid game
- ▶ spam
- ▶ difficult to send files
- ▶ privacy
- ▶ rich features inexistant or inefficient

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- ▶ rich content possible

Why XMPP should replace e-mail network

- ▶ jid looks like email address
- ▶ spoofing is impossible/extremely difficult by design
- ▶ encryption
- ▶ low spam. Roster can be used to filter
- ▶ rich content possible
- ▶ gateway to traditional e-mail network

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- ▶ Cliparts come from <http://openclipart.org>
- ▶ XMPP logo XSF <http://xmpp.org>
- ▶ Salut à Toi logo was made by Adrien Vigneron, it's CC By-Sa

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Thanks for watching

- ▶ <http://wiki.goffi.org/wiki/sat>
- ▶ <http://www.goffi.org> (blog)
- ▶ goffi@goffi.org (e-mail)
- ▶ [goffi@jabber.fr](xmpp:goffi@jabber.fr) (jid)

See you at the XSF stand for live demo and talk