



Telepathy

Integrirana instant komunikacija

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Unix filozofija:



“Do one thing and do it well.”

Unix Talk



The image shows a screenshot of a PuTTY terminal window. The title bar at the top reads "spider.phy.cam.ac.uk - PuTTY". The terminal content is as follows:

```
[Connection established]
Hi
How is the experiment going?

-----
Hi Bob
```

Internet Relay Chat

```
mroach@lobster:~ — ssh — bash — 112x30
It just works - http://iharder.sourceforge.net/macosx/winmacprinter/
07:55 !- izagoof ~dlundy@ZiRC-66841BAF.dsl.irvnca.pacbell.net has joined #onebutan
08:03 !- Eegah ~Eegah@ZiRC-4F2DD6A9.dynamic.surewest.net has quit Ping timeout
08:16 !- io_burn ~ehodapp@ZiRC-C12A4052.chi1.dsl.speakeasy.net has joined #onebutan
08:17 io_burn butan
08:29 !- mroach-mobile ~mroach-mo@ZiRC-1FA38FD0.tmodns.net has joined #onebutan
08:30 mroach-mobile sup champs
08:32 !- izagoof ~dlundy@ZiRC-66841BAF.dsl.irvnca.pacbell.net has quit Ping timeout
08:33 !- mroach-mobile ~mroach-mo@ZiRC-1FA38FD0.tmodns.net has quit Quit: used jmIrc
08:33 !- izagoof ~dlundy@ZiRC-66841BAF.dsl.irvnca.pacbell.net has joined #onebutan
08:41 io_burn any of you fags know anything about the mac mini monitor issues?
08:42 Yablo-work monitor issues, eh?
08:43 io_burn My god damn mac mini won't display shit on my HDTV
08:44 io_burn powerbook plugged in to hdtv, pc plugged in to hdtv, works fine
08:44 io_burn mac mini plugged in to LCD, works fine
08:44 io_burn mac mini plugged in to 10 year old CRT
08:44 io_burn works fine as well
09:10 Squishy_Buddha did you try the new lcd dealy
09:10 Squishy_Buddha or is that still in the box
09:27 !- Anatole ~maverick@ZiRC-3975E6C9.wireless.umass.edu has joined #onebutan
09:36 io_burn where the fuck is ScheisseGern when you need him
09:37 Anatole i do not know
09:37 Anatole is it something i might be able to fulfill?
09:37 io_burn Know anything about the mac mini being incompatible with certain monitors?
09:41 Anatole sort of.
09:41 Anatole i don't know a fix for it, i saw your post
09:46 io_burn how did dkk fix it
09:46 io_burn I know he had that problem
[09:51] [mroach(+ix)] [5:#onebutan(+nrst)] [Act: 4,8,9]
[#onebutan] █
```



Bonjour

IRC

SIP





Audio/Video pozivi



Bonjour

Prijenos datoteka

IRC

SIP

Rich-text

Konferencije

Višekorisnički
razgovori



Avatari



Liste kontakata

Privatni razgovori (1:1)



Audio/Video pozivi



Bonjour

Prijenos datoteke

SIP

ferencije

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Konferencije

Višekorisnički
razgovori

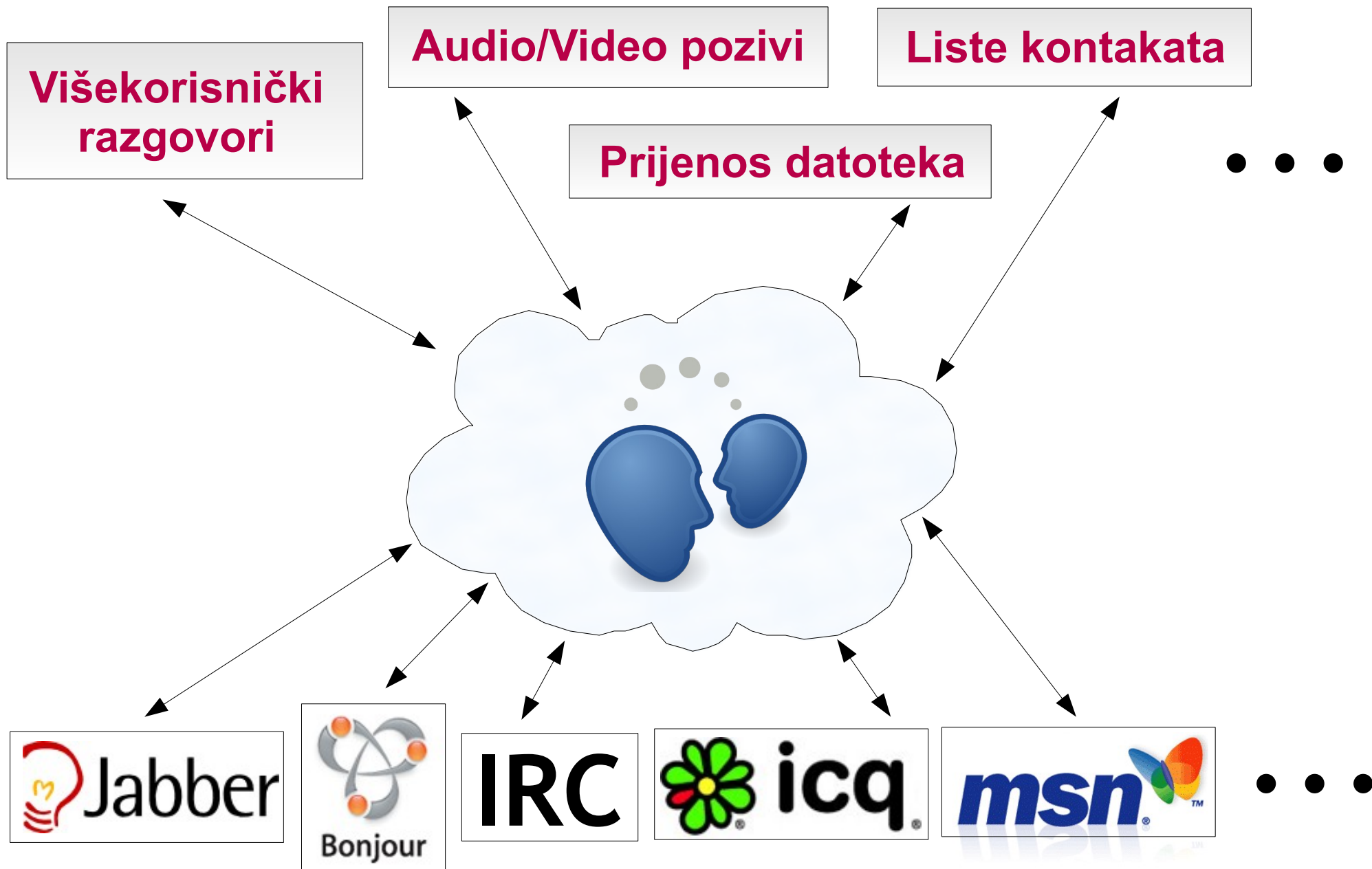


Avatari

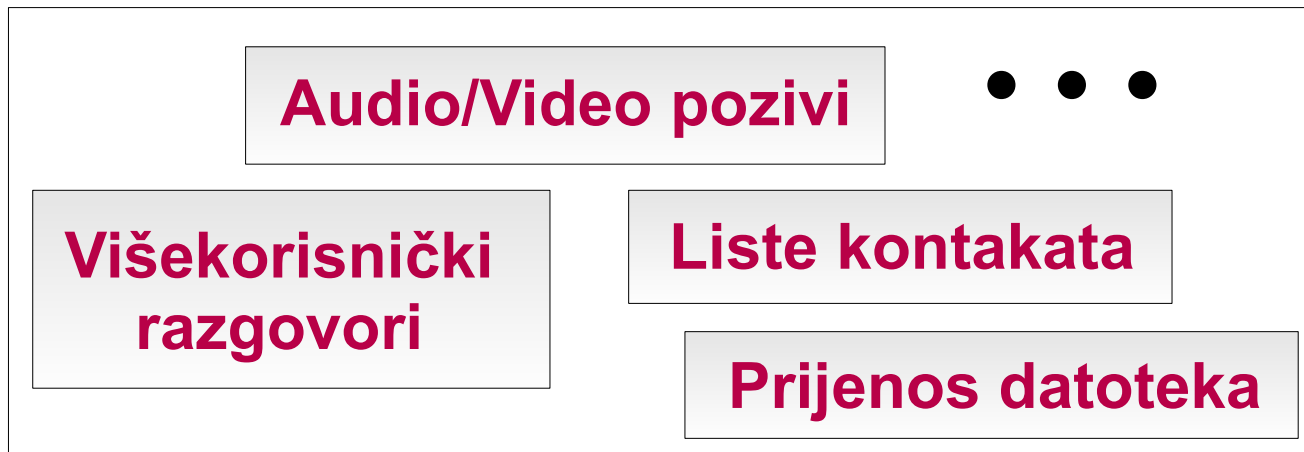


Liste kontakata

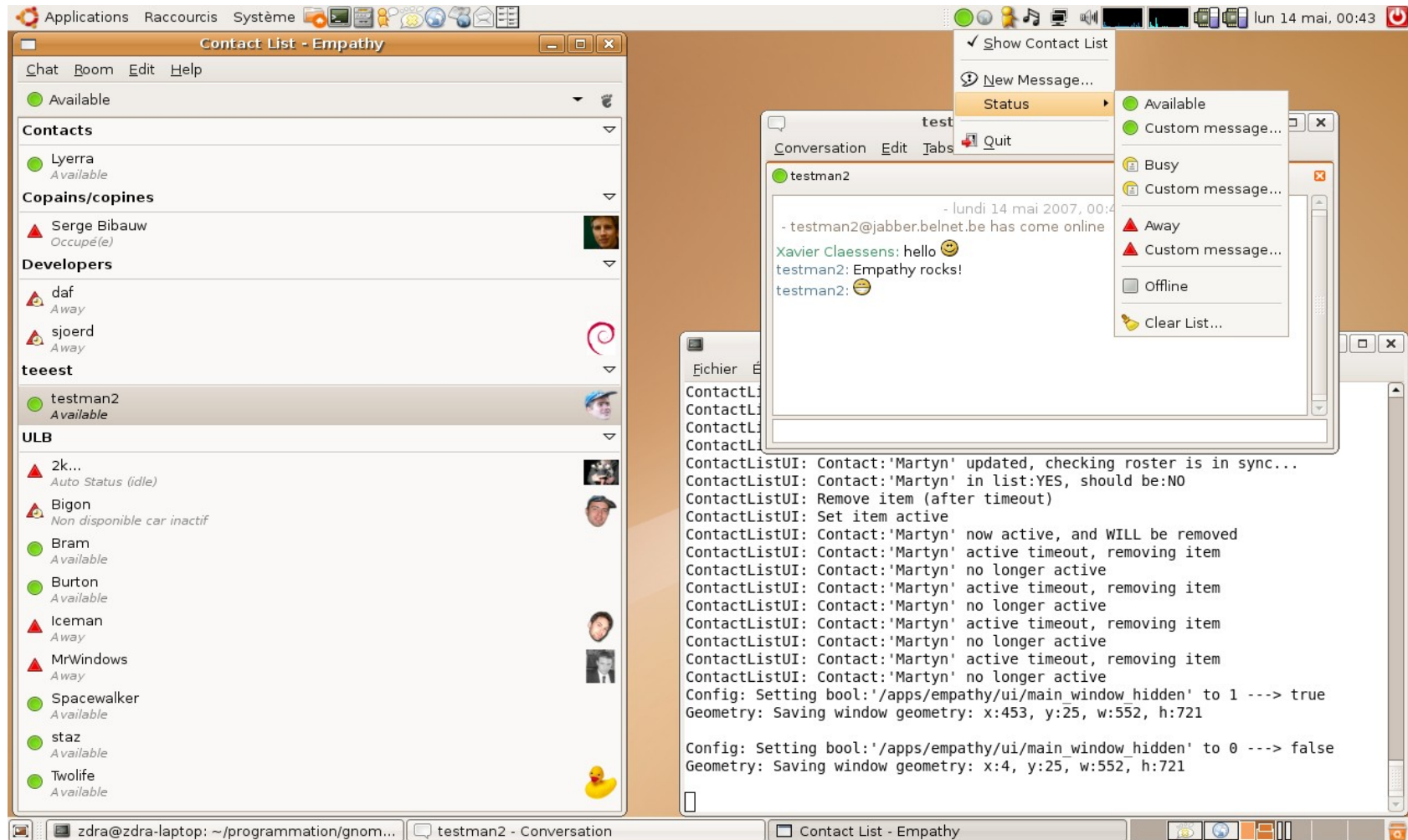
Privatni razgovori (1:1)



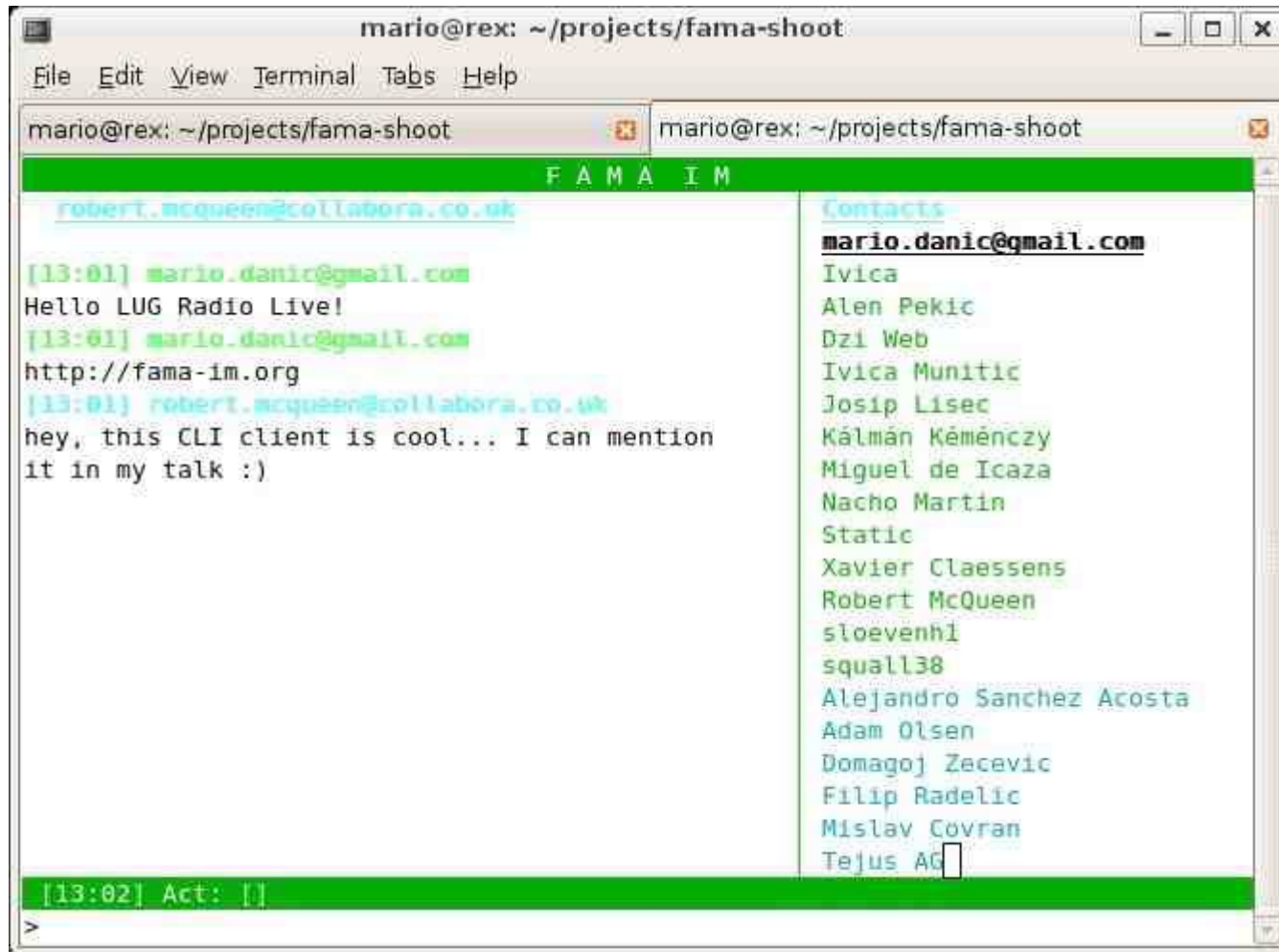
Kompletni monolitni klijentski program



Empathy



Fama



```
mario@rex: ~/projects/fama-shoot
File Edit View Terminal Tabs Help
mario@rex: ~/projects/fama-shoot
F A M A I M
robert.mcqueen@collabora.co.uk
[13:01] mario.danic@gmail.com
Hello LUG Radio Live!
[13:01] mario.danic@gmail.com
http://fama-im.org
[13:01] robert.mcqueen@collabora.co.uk
hey, this CLI client is cool... I can mention
it in my talk :)
Contacts
mario.danic@gmail.com
Ivica
Alen Pekic
Dzi Web
Ivica Munitic
Josip Lisec
Kálmán Kémenczy
Miguel de Icaza
Nacho Martin
Static
Xavier Claessens
Robert McQueen
sloevenh1
squall38
Alejandro Sanchez Acosta
Adam Olsen
Domagoj Zecevic
Filip Radelic
Mislav Covran
Tejus AG
[13:02] Act: []
>
```

Dodatak funkcionalnosti drugim aplikacijama

Jokosher

Audio pozivi

Nautilus

Prijenos datoteka

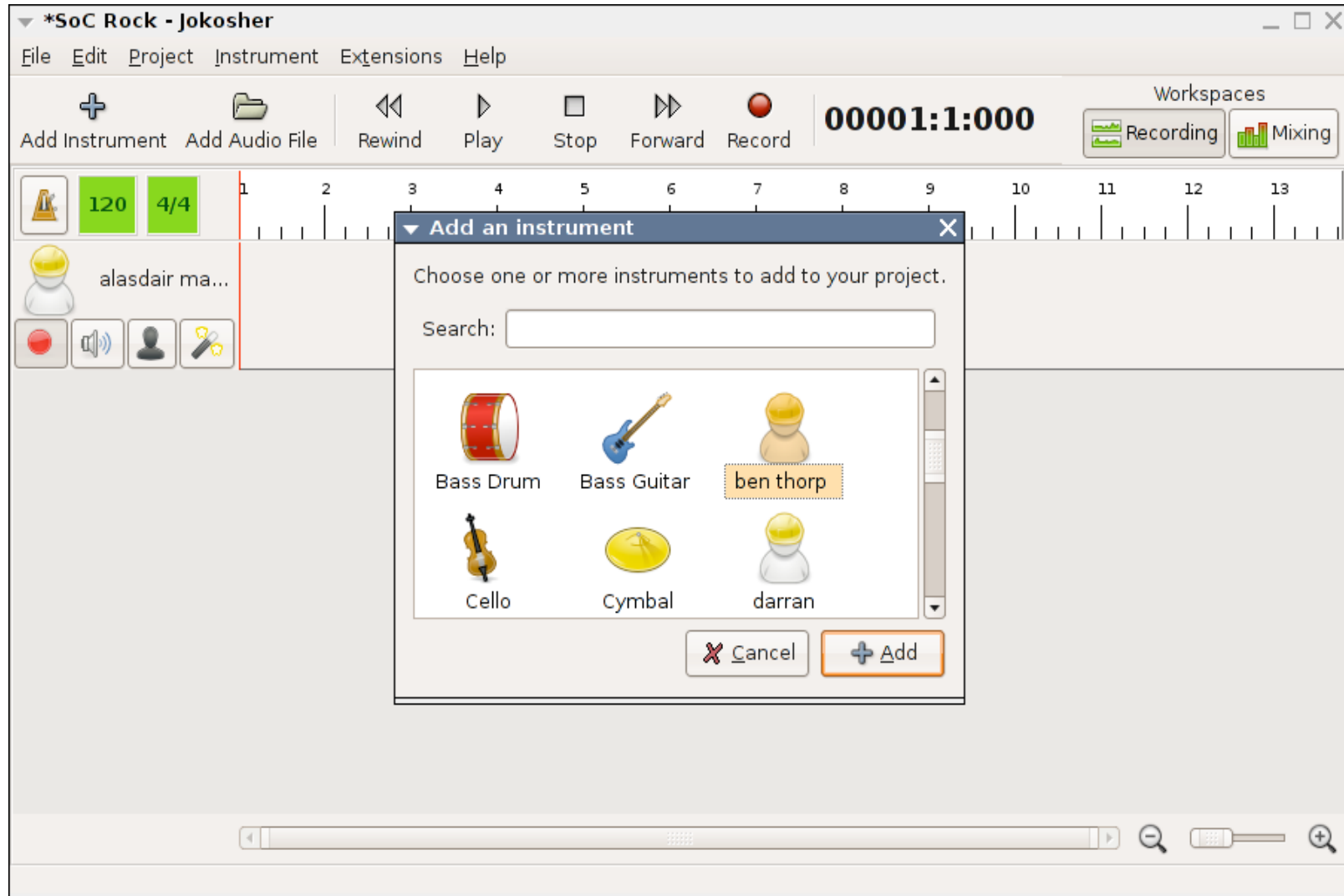
Evolution

Liste kontakata

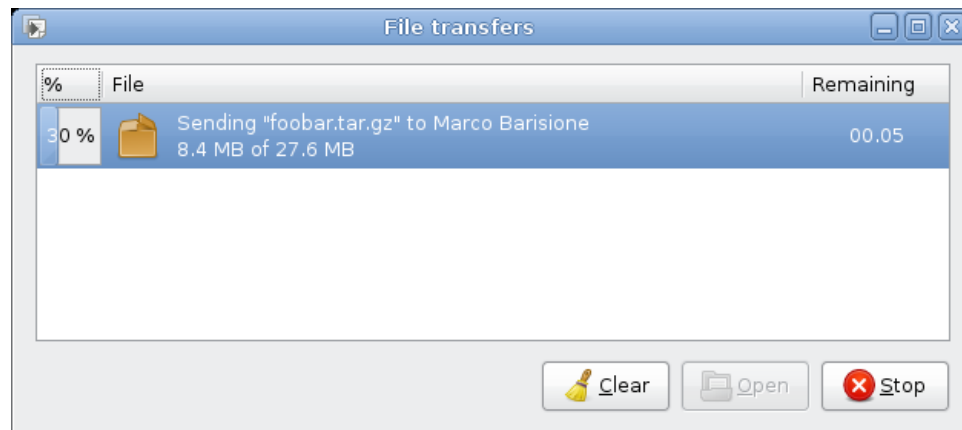
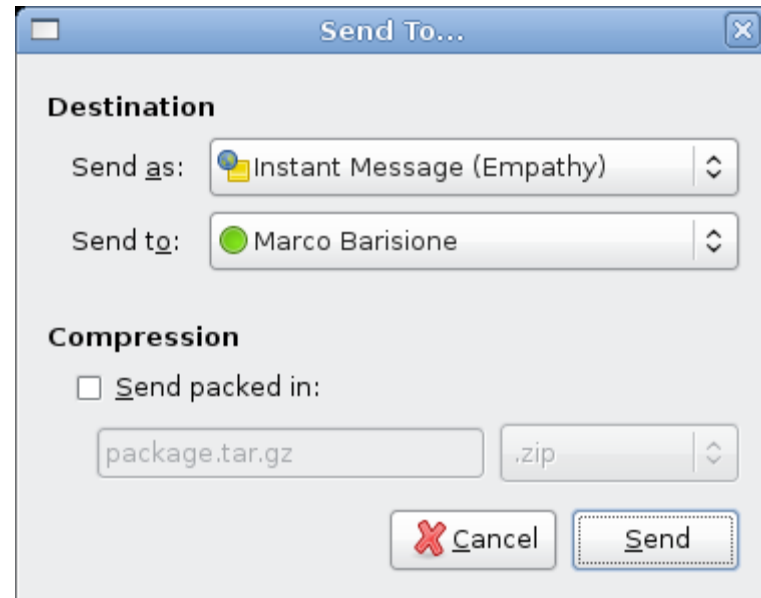
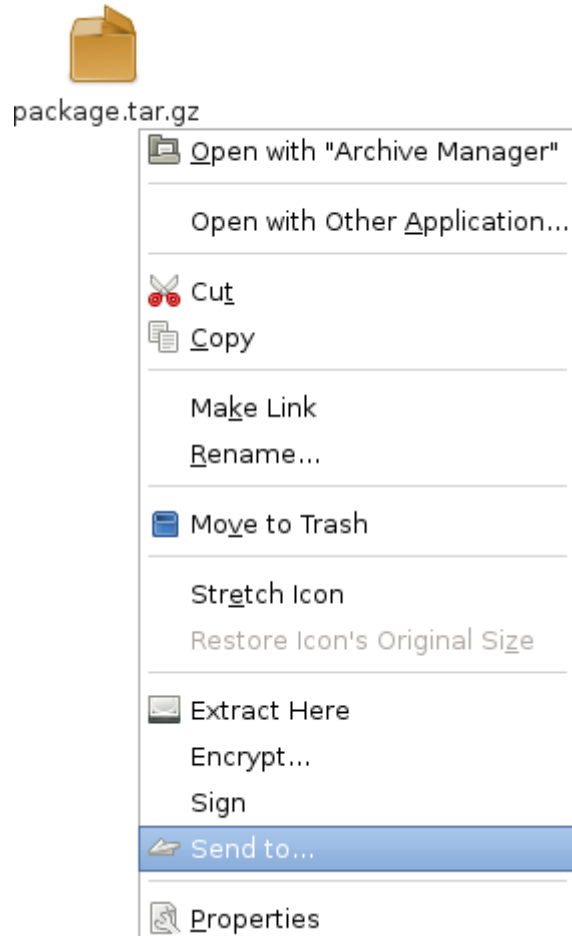
AbiCollab

**P2P komunikacija
aplikacija**

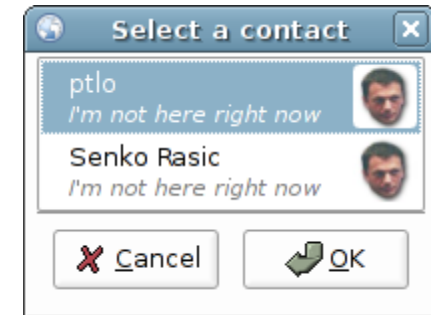
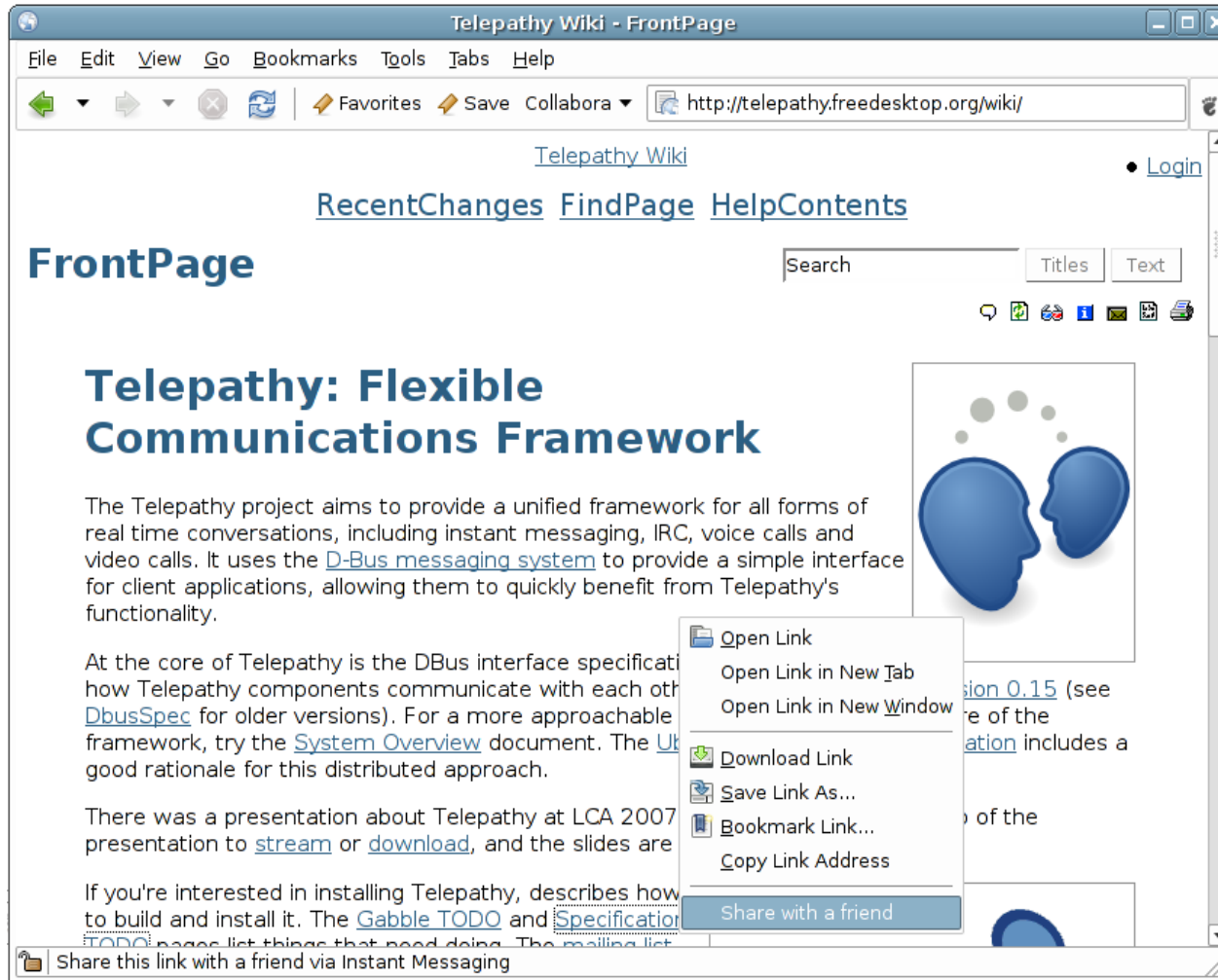
Jokosher



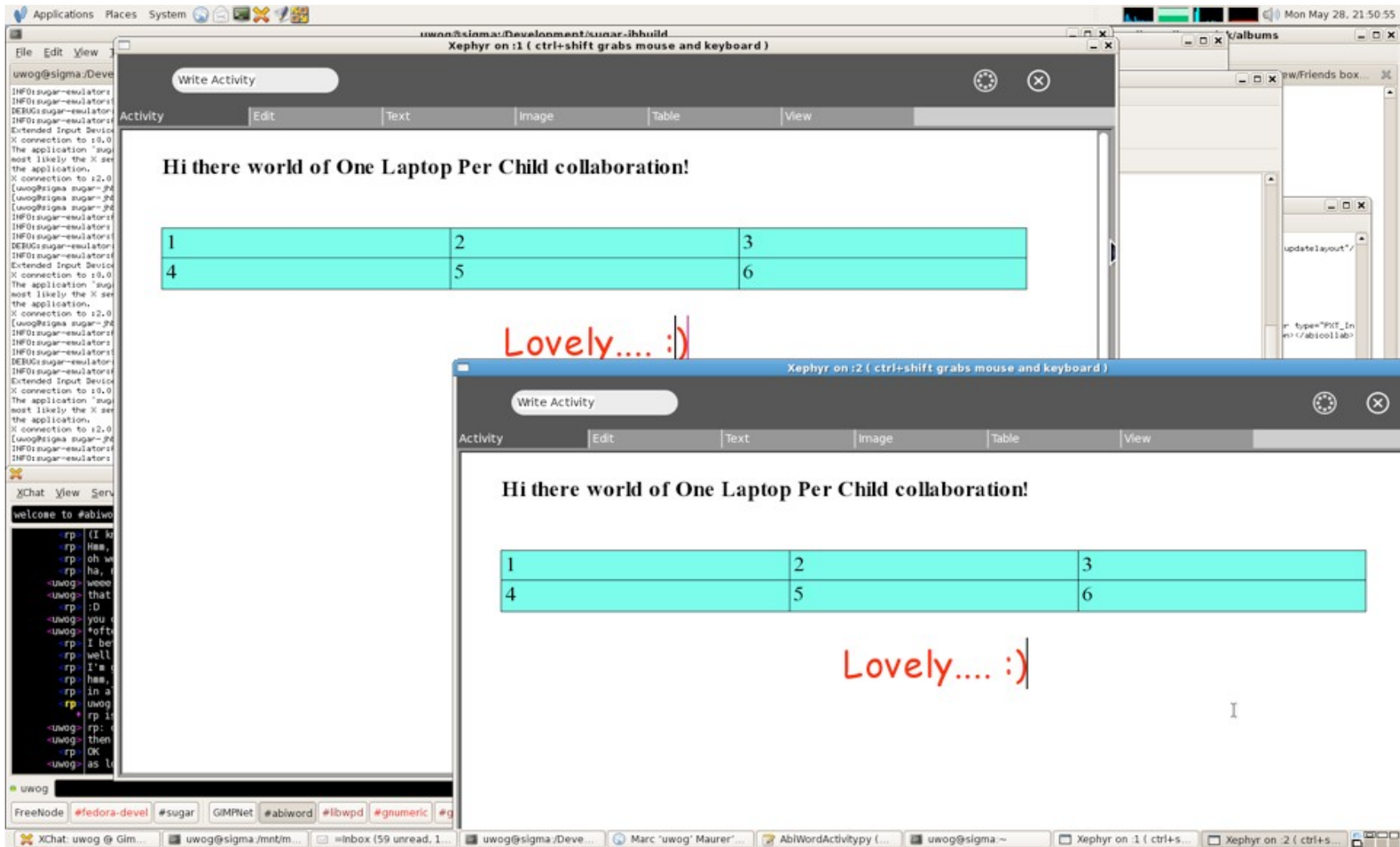
Telekinesis



Empathy Link Share



Zajedničko pisanje teksta

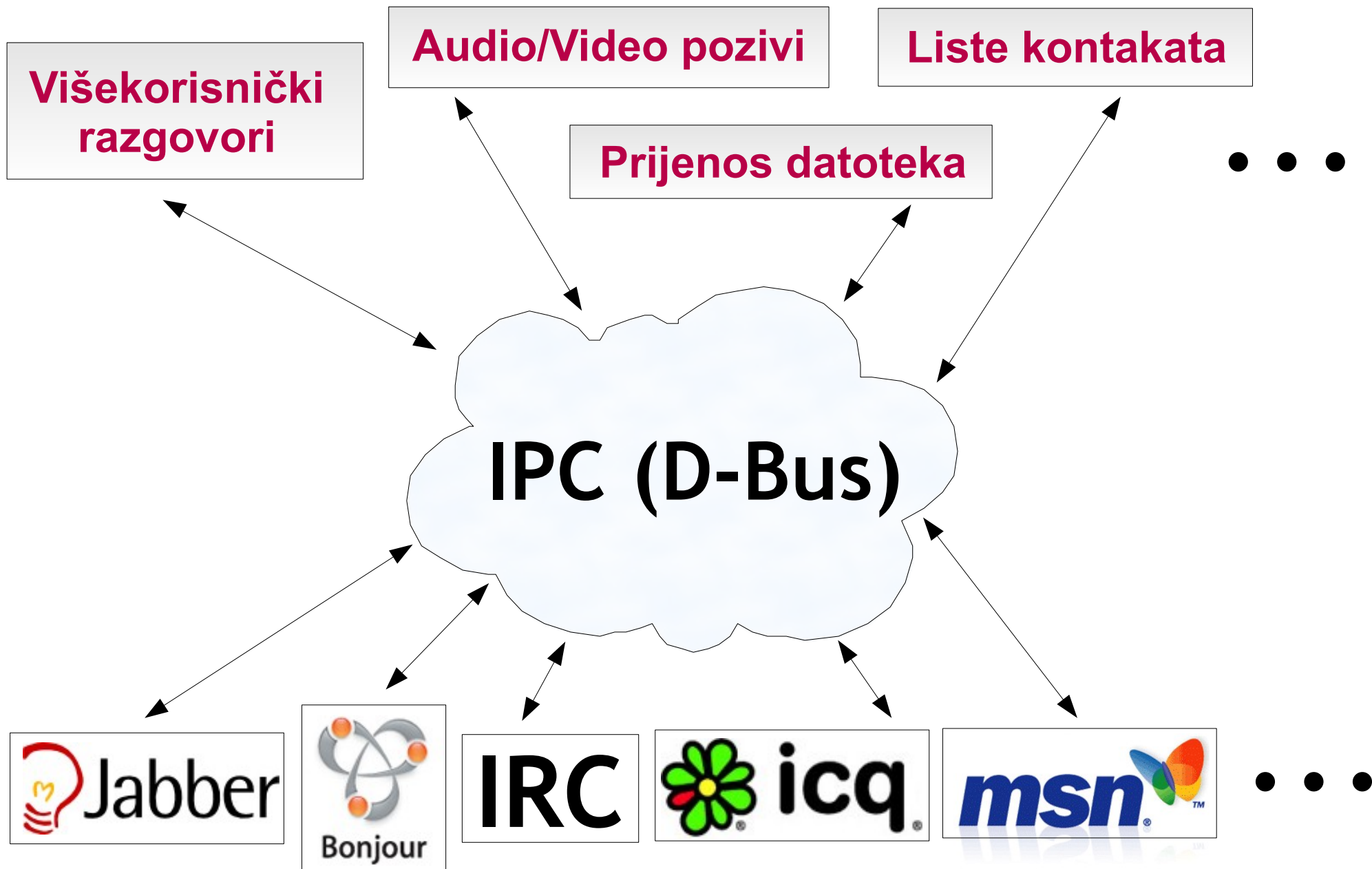


Specijalizirane klijentske aplikacije

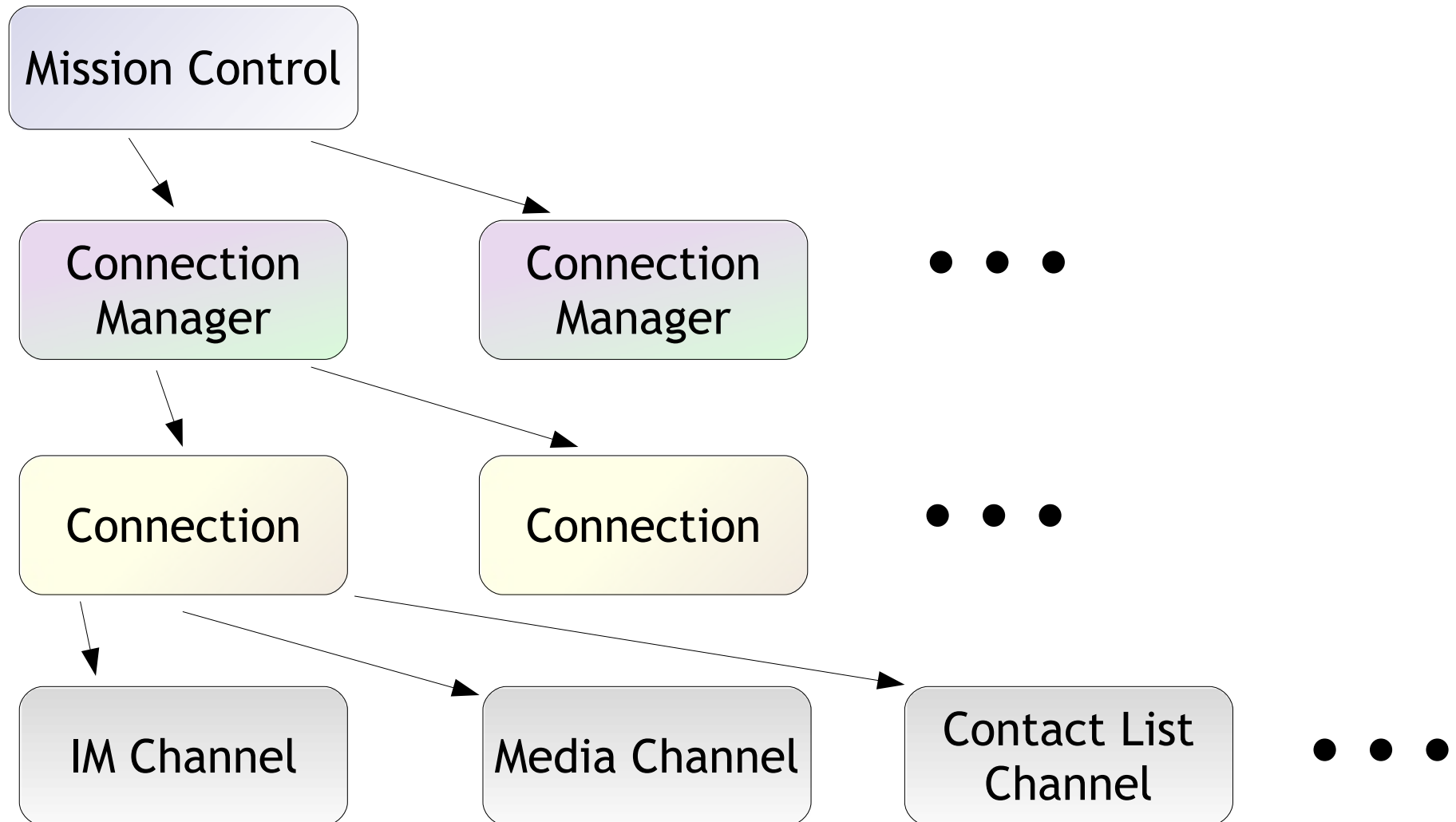
One Laptop Per Child

Nokia N810

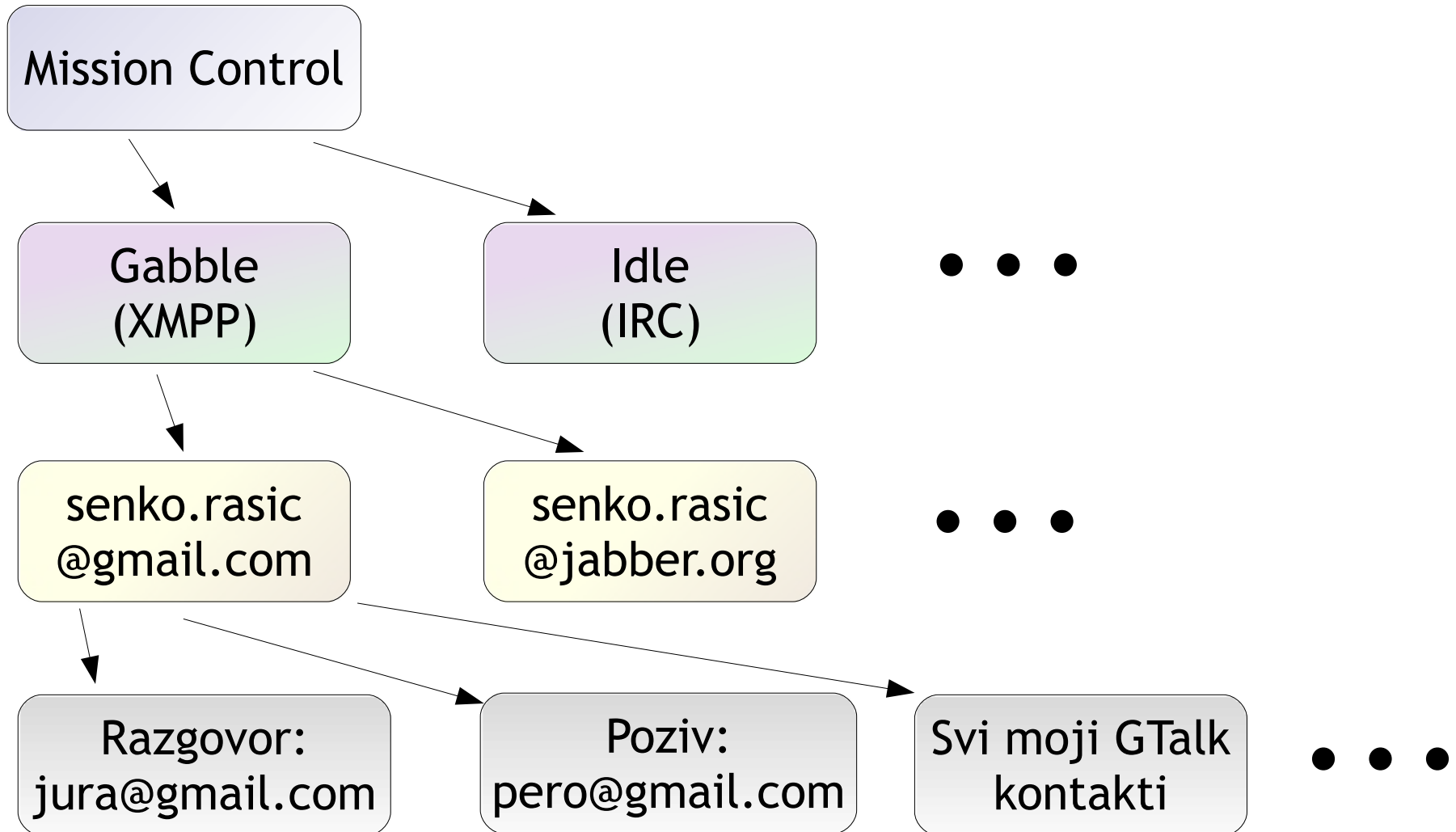




Koncepti Telepathy IPC-a



Primjer



API

D-Bus

telepathy-python (Python)
telepathy-glib (C/GLib)
telepathy-sharp (C#/Mono)
tapioca-voip (C++)
decibel (C++/Qt)
empathy (C/GLib)
empathy-gtk (C/GTK+)

Primjer (D-Bus)

```
import dbus
import time

# dođi do Connection Managera
bus = dbus.SessionBus()
gabble = bus.get_object(
    'org.freedesktop.Telepathy.ConnectionManager.gabble',
    '/org/freedesktop/Telepathy/ConnectionManager/gabble')

# zatraži vezu za naš korisnički račun
(bus_name, object_path) = gabble.RequestConnection('jabber',
    {'account': 'mirko@jabber.org', 'password': 'lozinka'},
    dbus_interface='org.freedesktop.Telepathy.ConnectionManager')
conn = bus.get_object(bus_name, object_path)

# spoji se
conn.Connect(dbus_interface='org.freedesktop.Telepathy.Connection')

# pričekaj par sekundi (pojednostavljeno)
time.sleep(1)
```

Primjer (D-Bus), nastavak

```
# zatraži deskriptor za Slavka
handles=conn.RequestHandles(dbus.UInt32(1), ['slavko@jabber.org'],
    dbus_interface='org.freedesktop.Telepathy.Connection')

# zatraži IM (1:1) komunikacijski kanal prema Slavku
object_path = conn.RequestChannel(
    'org.freedesktop.Telepathy.Channel.Type.Text',
    dbus.UInt32(1), handles[0], False,
    dbus_interface='org.freedesktop.Telepathy.Connection')
channel = bus.get_object(bus_name, object_path)

# pošalji poruku
channel.Send(0, 'Zdravo Slavko!',
    dbus_interface='org.freedesktop.Telepathy.Channel.Type.Text')

# odspoji se
conn.Disconnect(
    dbus_interface='org.freedesktop.Telepathy.Connection')
```

Primjer (pyempathygtk)

```
import gtk, empathy, empathygtk

# Dohvati popis kontakata i kreiraj Contact List widget
manager = empathy.ContactManager()
store = empathygtk.ContactListStore(manager)
view = empathygtk.ContactListView(store, 'none')

# Prikaži GTK+ dialog
window = gtk.Dialog()
window.get_child().add(view)
window.add_button(gtk.STOCK_CANCEL, 0)
window.add_button(gtk.STOCK_OK, 1)
window.show_all()
success = window.run()

# Pošalji poruke odabranim kontaktima
def posalji(model, path, iter):
    (contact) = model.get(iter, 6)
    chat = empathygtk.empathy_tp_chat_new_with_contact(contact)
    chat.send(empathy.Message('Zdravo svijete!'))

if success:
    view.get_selection().selected_foreach(posalji)
```

Kraj

Hvala na pažnji!

Pitanja?