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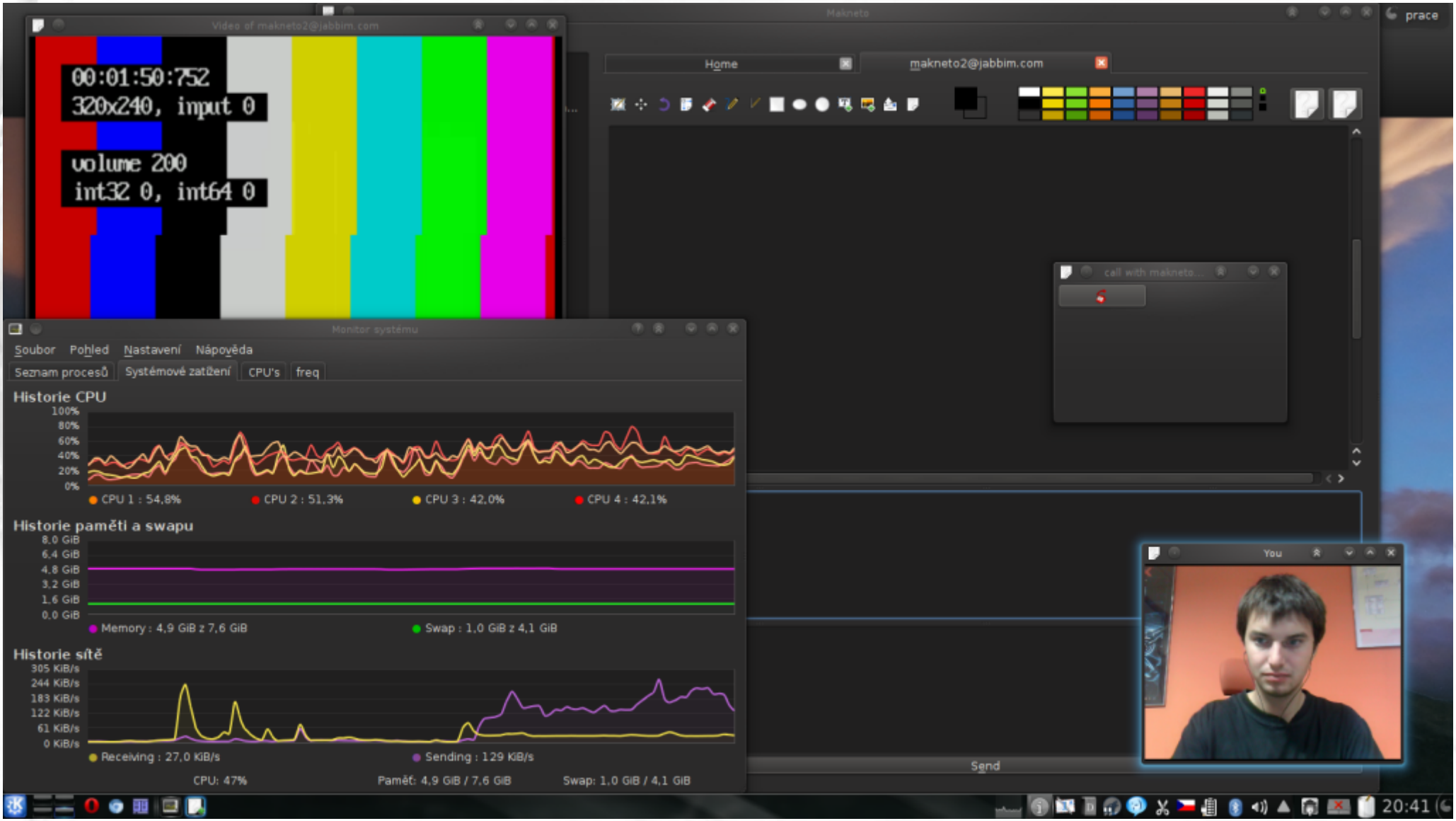
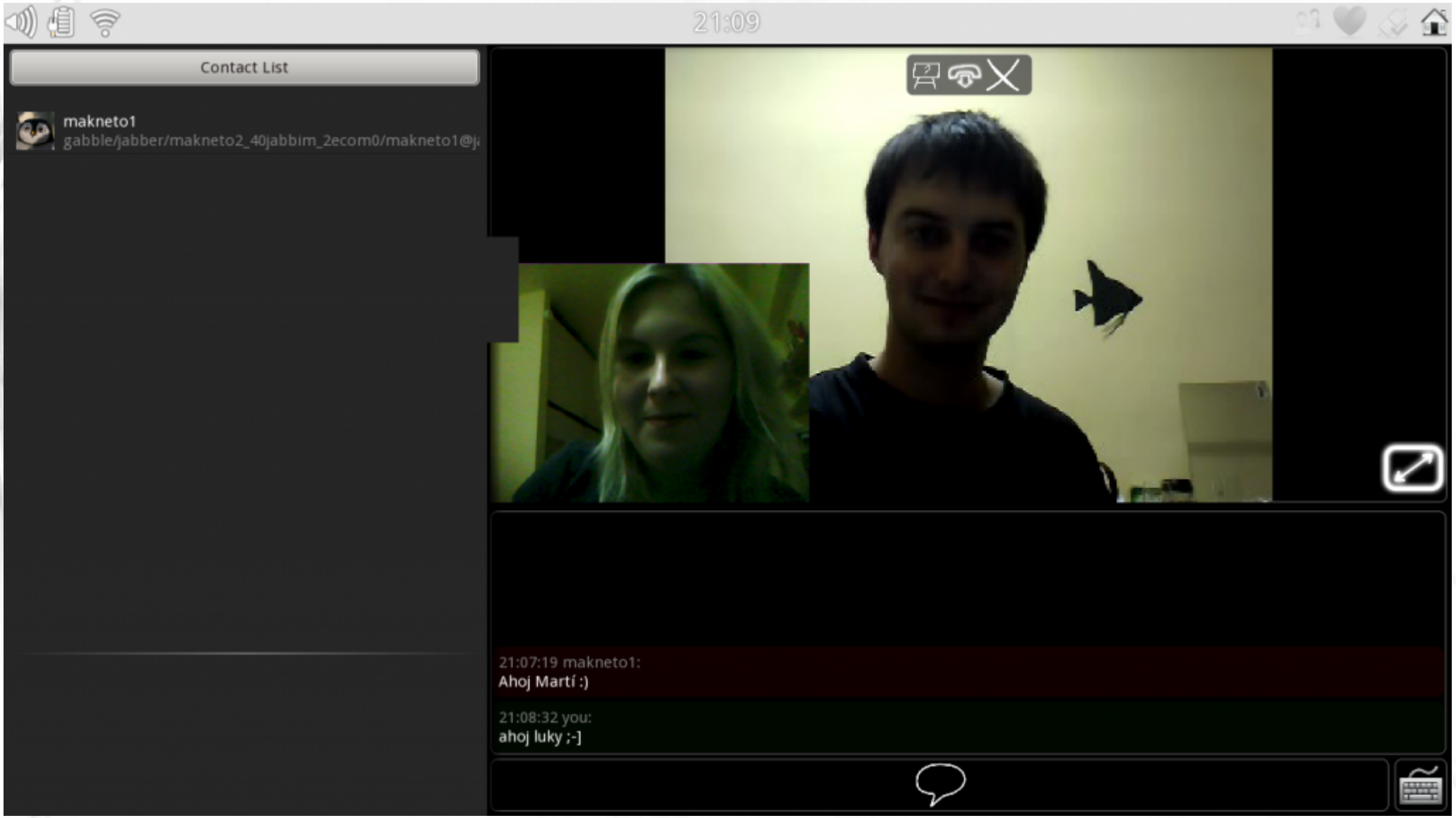
14.3.2012
ČVUT FEL Open Source Programming

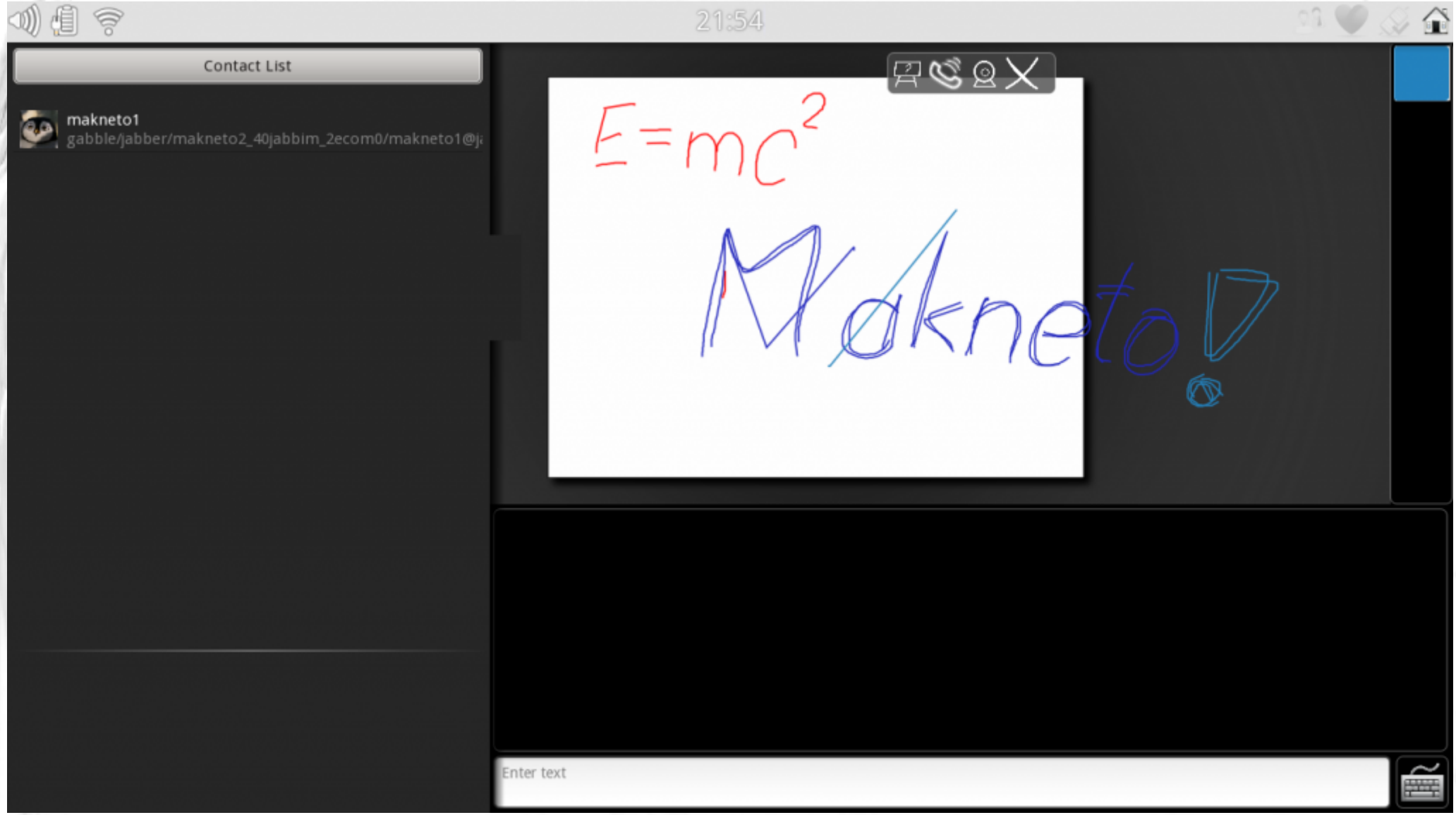
Makneto

- Instant messenger
- Whiteboard sharing
    - Drawing and multimedia embedding on shared canvas
- Audio/video chat

- Desktop and Mobile version


Video of makneto2@jabbim.com
00:01:50:752
320x240, input 0
volume 200
int32 0, int64 0
Makneto
Home
makneto2@jabbim.com
call with makneto...
Monitor systému
Soubor Pohled Nastavení Nápověda
Seznam procesů Systémové zatížení CPU's freq
Historie CPU
100%
80%
60%
40%
20%
0%
CPU 1 : 54,8%
CPU 2 : 51,3%
CPU 3 : 42,0%
CPU 4 : 42,1%
Historie paměti a swapu
8,0 GiB
6,4 GiB
4,8 GiB
3,2 GiB
1,6 GiB
0,0 GiB
Memory : 4,9 GiB z 7,6 GiB
Swap : 1,0 GiB z 4,1 GiB
Historie sítě
305 KiB/s
244 KiB/s
183 KiB/s
122 KiB/s
61 KiB/s
0 KiB/s
Receiving : 27,0 KiB/s
Sending : 129 KiB/s
CPU: 47%
Paměť: 4,9 GiB / 7,6 GiB
Swap: 1,0 GiB / 4,1 GiB
You
Send
20:41


21:09
Contact List
makneto1
gabble/jabber/makneto2_40jabbim_2ecom0/makneto1@j
21:07:19 makneto1:
Ahoj Martí :)
21:08:32 you:
ahoj luky ;-]


21:54
Contact List
makneto1
gabble/jabber/makneto2_40jabbim_2ecom0/makneto1@j
E=mc²
Makneto!
Enter text

Libraries and standards

- XMPP
  - open-standard communications protocol
- Telepathy
  - protocol backends for most popular protocols
- Qt
  - cross-platform application and UI framework
- QML for mobile GUI
  - JavaScript-based language for user interfaces

Developers

- Jaroslav Reznik [project manager, RedHat]
- Radek Novacek
- Vojtech Kulicka
- Lukas Karas

Indirect support by

RedHat **Fedora** **KDE**

History of Makneto

- Private project of Jaroslav Reznik
- Made public in 2008, open for collaboration
- Slow but continuous progress
- Major addition mostly thanks to school projects
    - Makneto ported to Telepathy framework
      by Vojtěch Kulicka (as his diploma thesis)
- (2011) First video calls
- (2011) MeeGo (mobile) platform support

Current state

- The main development focus was to make the main features available (not maintainability)
- Some hacks still left over from the switch between frameworks
  - Core → Telepathy (needs upgrade)
  - KDE + Qt → Qt
- GUI in crude state
- Application stability is not satisfactory
- Missing important secondary features

Planned contributions

- Make the desktop GUI better
- Focus on the contact list
  - Intuitive control
    - The GUI should react to user input the the way the user expects it to react
  - Better usability
    - Allow the user show/hide offline users etc.
  - Better visual presentation
    - Color and/or icon distinctions between states instead of text