

# Telepathy Skykit

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World of Tanks developer

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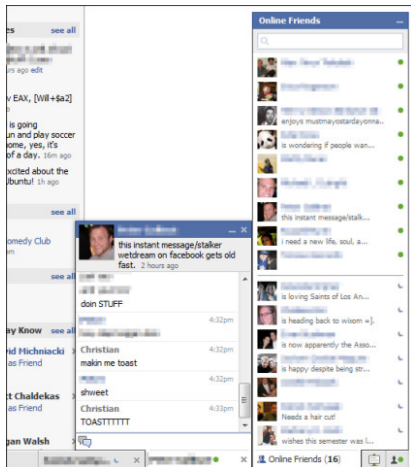
# Instant Messaging in Linux

# Instant Messaging in Linux SUCKS

# Facebook Web UI



# Facebook Web UI



- ▶ no audio
- ▶ no video
- ▶ no groups
- ▶ facebook accounts only

# Google Talk Web UI

ALI BaBa RKR

0

+ Share

Start a hangout

ALI baba

Chat with...

Abdul Wahab Kath

Ahmed Altakroui

Haris Nadeem

HuMaYuN BaBaR

Kaan Karaca

Kamal Faridi

Muhammad Adnan

Sameer Nisar

Shayan Haq

Shoukat Dharani

Xhahbez Khan

John Selby

IDING ON GOOGLE+

licki Minaj

newgoogleplus

he Hunger Games

ritney Spears

whitespace

WANT TO KNOW

Mohammad Asid

ALI (Asid Learning Inn)

Add

Amir Nasiruddin S...

Arpatech Pvt Ltd

Add

yasir hussain

Jinnah college

Shayan Haq

You are now off the record

[Learn more](#)

This is your first chat with Shayan Haq.

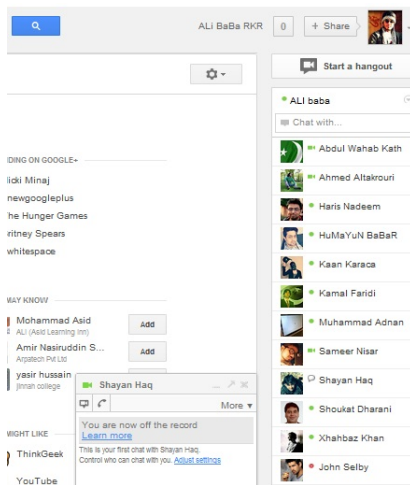
Control who can chat with you: [Adjust settings](#)

MIGHT LIKE

ThinkGeek

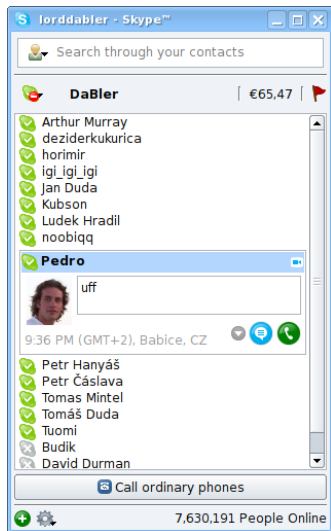
YouTube

# Google Talk Web UI



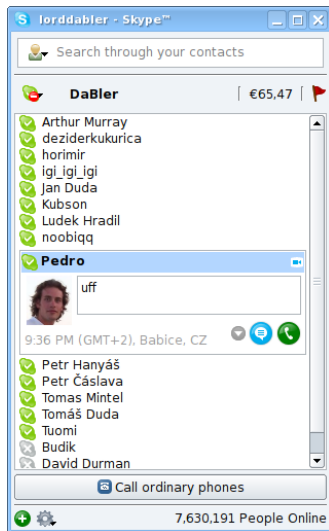
► google accounts only

# Skype



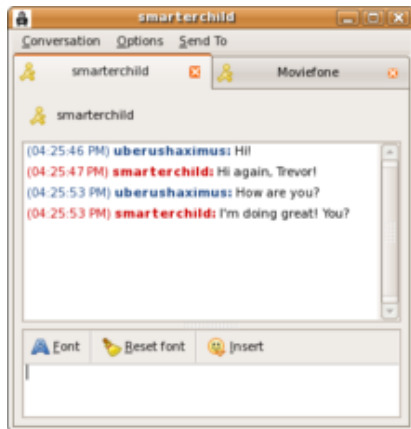


# Skype

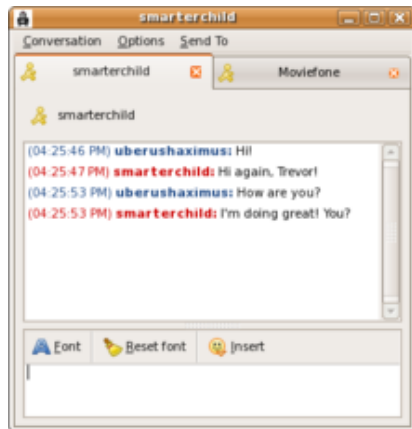


- ▶ awful L&F
- ▶ no PIM/DE integration
- ▶ x86-desktop only on Linux

# Pidgin



# Pidgin



- ▶ no audio
- ▶ no video
- ▶ no PIM/DE integration

## Cool Example:

- ▶ audio
- ▶ video
- ▶ PIM/DE integration
- ▶ multiple protocols
- ▶ touch interface

# Cool Example: n900



- ▶ audio
- ▶ video
- ▶ PIM/DE integration
- ▶ multiple protocols
- ▶ touch interface



# Telepathy

# The Unix Way

Do one thing and do it well

- ▶ Instant Messaging

# The Unix Way

Do two things and do it well

► User Interface

► Protocol



# The Unix Way

Do six things and do it well

- ▶ Contact List
- ▶ Chat
- ▶ Logging
- ▶ AIM
- ▶ MSN
- ▶ XMPP

# The Unix Way

Do twelve things and do it well?

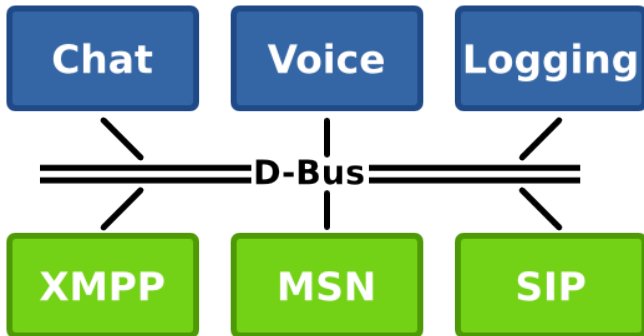
- ▶ Contact List
- ▶ Chat
- ▶ Logging
- ▶ File Transfer
- ▶ Voice Call
- ▶ Tubes
- ▶ AIM
- ▶ MSN
- ▶ XMPP
- ▶ SIP
- ▶ ICQ
- ▶ IRC

# Telepathy Architecture

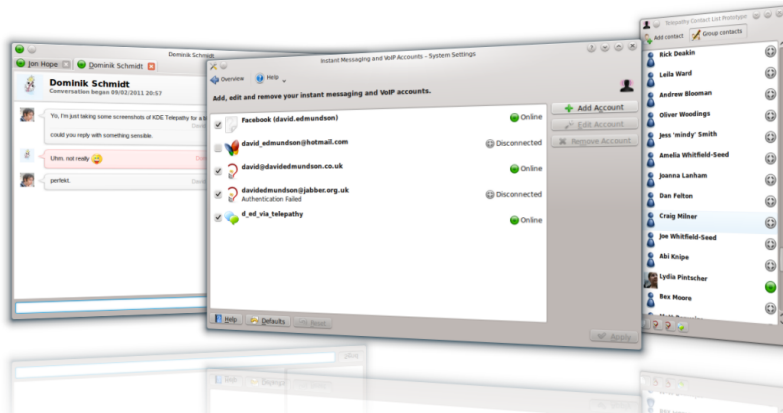
- ▶ move away from the monolithic client
- ▶ split stuff into separate processes
- ▶ run protocols as services
- ▶ create a standard DBUS API

# Telepathy Architecture

- ▶ move away from the monolithic client
- ▶ split stuff into separate processes
- ▶ run protocols as services
- ▶ create a standard DBUS API



# KDE Telepathy



# Empathy

The screenshot displays the Empathy application interface, which is used for instant messaging and video calls. The main window is titled "Soita tuttavalle" (Call a contact) and shows a video call in progress with a contact named "jorma sarkki". The contact's name is visible in the top bar of the chat window. The chat window also shows a message from "jorma sarkki" asking "joko olet täällä" (are you here?) and a timestamp of 18:14. The chat window has buttons for "Keskustele" (Chat), "Tuttavat" (Contacts), "Muokkaa" (Edit), "Välilehdet" (Tabs), and "Ohje" (Help).

Below the chat window, the "Järjestelmän valvonta" (System Monitoring) window is open, showing various system metrics. The window has tabs for "Järjestelmä" (System), "Prosessit" (Processes), "Resurssit" (Resources), and "Tiedostojärjestelmät" (File Systems). The "Resurssit" tab is selected, showing the following data:

- Suorittimen käyttöaste** (CPU Usage): CPU1 56,4%, CPU2 61,9%
- Muistin ja sivutuksen historia** (Memory and Swapping History): Muisti (Memory) 339,0 MiB (34,1 %) / 994,3 MiB; Swap 176,9 MiB (9,3 %) / 1,9 GiB
- Verkonkäytön historia** (Network Usage History): Vastaanottaa (Receiving) 13,1 KiB/s; Vastaanotettu kaikkiaan (Received total) 80,1 MiB; Lähettää (Sending) 15,9 KiB/s; Lähetty kaikkiaan (Sent total) 31,5 MiB

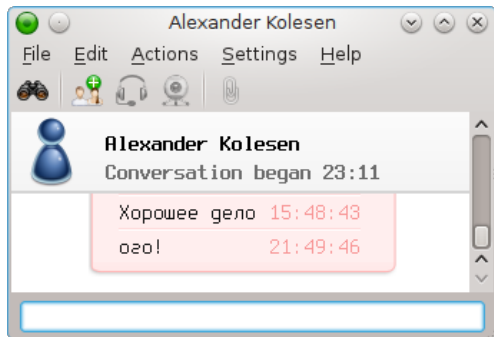
The bottom of the screen shows a standard Linux Mint desktop environment with a taskbar and system tray.

# Skypekit



- ▶ different OS
- ▶ different arches for Linux
- ▶ audio/video
- ▶ not free

# telepathy-skykit



- ▶ python
- ▶ telepathy-python
- ▶ skypekit based



# Telepathy Skypekit

## Supports

- ▶ presence
- ▶ contact list
- ▶ one-to-one chat
- ▶ avatar
- ▶ vcard

# Telepathy Skypekit

## Supports

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## Future plans

- ▶ MUC
- ▶ file transfer
- ▶ audio
- ▶ video
- ▶ ...

# More Info

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- ▶ email: maxposedon@gmail.com
- ▶ <https://github.com/max-posedon/telepathy-skykit>
- ▶ <https://github.com/max-posedon/telepathy-python>
- ▶ <http://telepathy.freedesktop.org/wiki/>
- ▶ <https://dev.skype.com/skypekit>
- ▶ <https://github.com/max-posedon/talk-telepathy-skykit>