

# Telepathy Skykit

Maksim Melnikau (max\_posedon)

Linux Mobile hobbyist  
World of Tanks developer

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# Instant Messaging in Linux

Instant Messaging in Linux SUCKS

## Facebook Web UI

see all

is going  
un and play soccer  
ome, yes, it's  
of a day. 16m ago

xited about the  
luntu! 1h ago

see all

omedy Club

comedy Club

see all

this Instant message/stalker  
wetdream on facebook gets old  
fast. 2 hours ago

doin STUFF 4:32pm

ay Know see all

nd Michniacki 2 as Friend

Christian 4:32pm

makin me toast

t Chaldekas 2 as Friend

shweet 4:33pm

Christian 4:33pm

TOASTTTTTT

an Walsh

Online Friends (16)

Online Friends

see all

rs ago edit

v EAX, [Will+\$a2]

is going

un and play soccer

ome, yes, it's

of a day. 16m ago

xited about the

luntu! 1h ago

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shweet 4:33pm

Christian 4:33pm

TOASTTTTTT

an Walsh

Online Friends (16)

# Facebook Web UI

The screenshot shows the Facebook Web UI interface. On the left, there's a vertical sidebar with friend requests and notifications. The main area displays a timeline feed with posts from friends like "EAX, [Will+saz]" and "Dad Michniacki". A central message window is open, showing a conversation between the user and "Christian". On the right, there's a sidebar titled "Online Friends" listing 16 friends with their status messages.

Timeline Feed:

- EAX, [Will+saz] is going to play soccer some, yes, it's of a day. 16m ago
- Dad Michniacki is Wondering if people wan...
- Christian makin me toast
- shweet Christian TOASTTTTT

Message Window:

Christian: this instant message/stalker wetdream on facebook gets old fast. 2 hours ago

Christian: doin STUFF

Christian: is loving Saints of Los An...

Christian: is heading back to wimow =).

Christian: is now apparently the Asso...

Christian: is happy despite being str...

Christian: Needs a hair cut

Christian: wishes this semester was L...

Online Friends (16)

- ▶ 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 Altakrouni
- Haris Nadeem
- HuMaYuN BaBaR
- Kaan Karaca
- Kamal Faridi
- Muhammad Adnan
- Sameer Nisar
- Shayan Haq
- Shoukat Dharani
- Xhahbaz Khan
- John Selby

SEARCH ON GOOGLE+

ladi Minaj  
newgoogleplus  
he Hunger Games  
ritney Spears  
whitespace

MAY KNOW

Mohammad Asid 

Ali (Aid Learning Inn) 

Amir Nasiruddin S... 

yasir hussain   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](#)

WILL LIKE

ThinkGeek

YouTube

# Google Talk Web UI

The screenshot shows the Google Talk Web UI interface. At the top, there's a search bar, a message count of 0, a '+ Share' button, and a profile picture of 'ALI BaBa RKR'. Below the header, there's a 'Start a hangout' button. The main area displays a list of contacts:

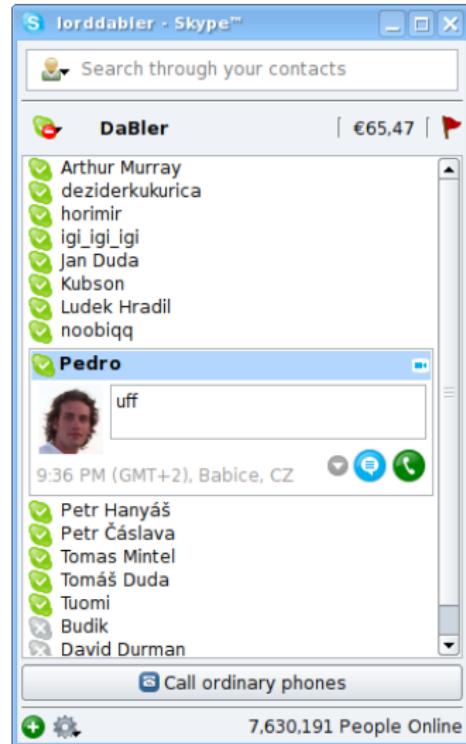
- ALI baba (selected)
- Abdul Wahab Kath
- Ahmed Altakrouni
- Haris Nadeem
- HuMaYuN BaBaR
- Kaan Karaca
- Kamal Faridi
- Muhammad Adnan
- Sameer Nisar
- Shayan Haq
- Shoukat Dharani
- Xhahbaz Khan
- John Selby

On the left side, there are several sidebar sections:

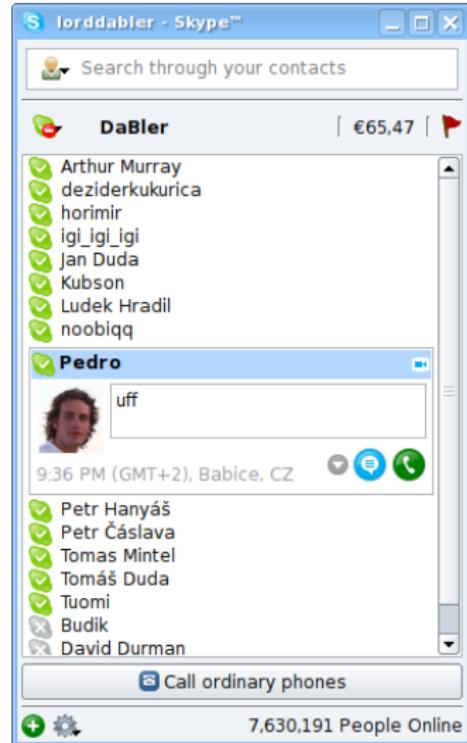
- INDING ON GOOGLE+**: A list of names: Nicki Minaj, newgoogleplus, he Hunger Games, Britney Spears, whitespace.
- MAY KNOW**: A list of contacts with 'Add' buttons:
  - Mohammad Asid
  - Ali (Add Learning Inn)
  - Amir Nasiruddin S... (Add)
  - Argatech Pvt Ltd
  - yasir hussain (Jinnah college)
  - Shayan Haq (selected)
- WIGHT LIKE**: A list of interests:
  - ThinkGeek
  - YouTube

► Google accounts only

# Skype

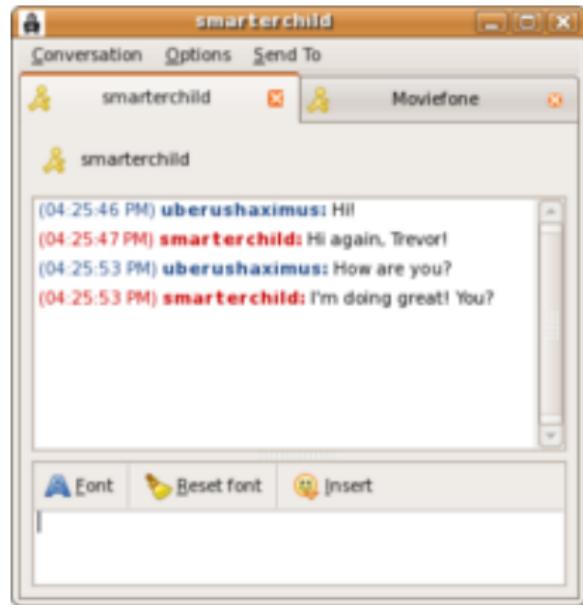


# Skype

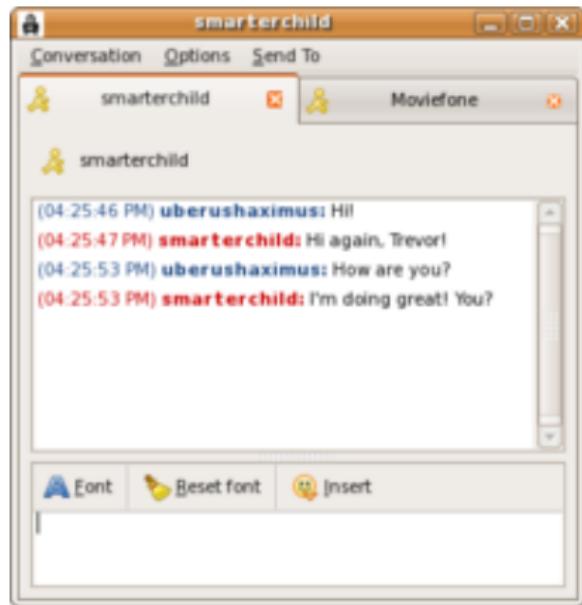


- ▶ awful L&F
- ▶ no PIM/DE integration
- ▶ x86-desktop only on Linux

# 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?

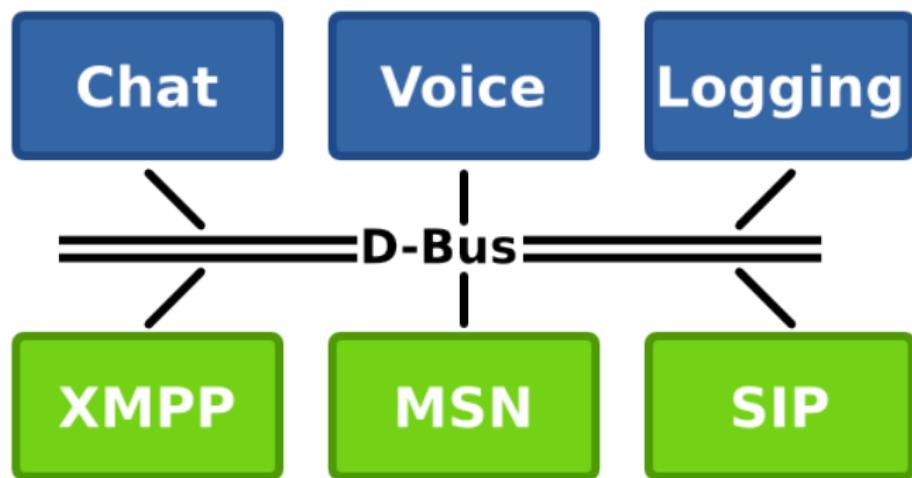
- ▶ Contact List
- ▶ Chat
- ▶ Logging
- ▶ File Transfer
- ▶ Voice Call
- ▶ Tubes
- ▶ AIM
- ▶ MSN
- ▶ XMPP
- ▶ SIP
- ▶ ICQ
- ▶ IRC

# Telepathy Architecture

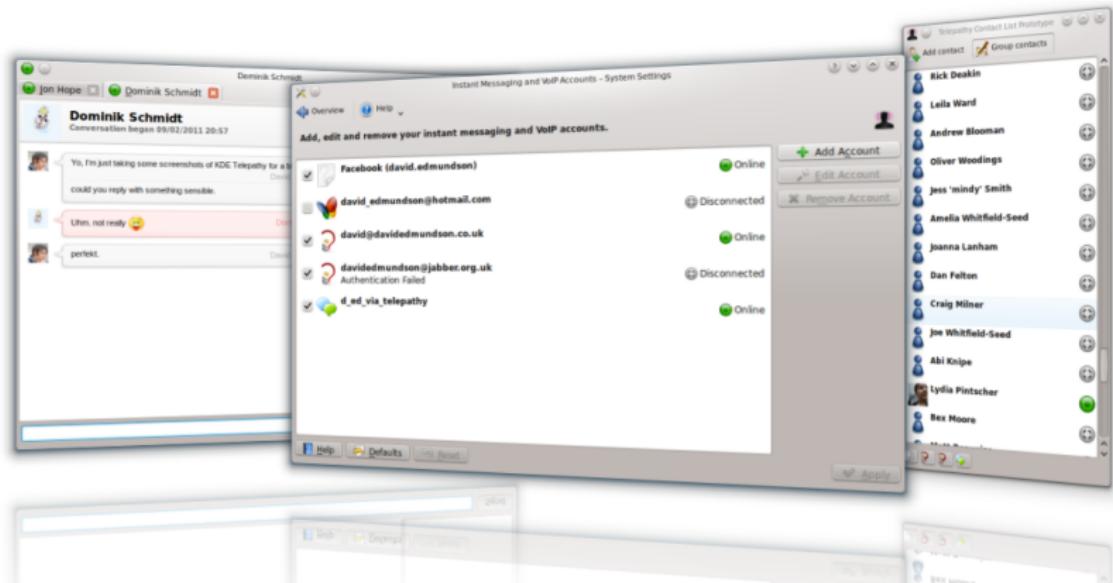
- ▶ move away from the monolithic client
- ▶ split stuff into separate processes
- ▶ run protocols as services
- ▶ create a standard DBUS API

# Telepathy Architecture

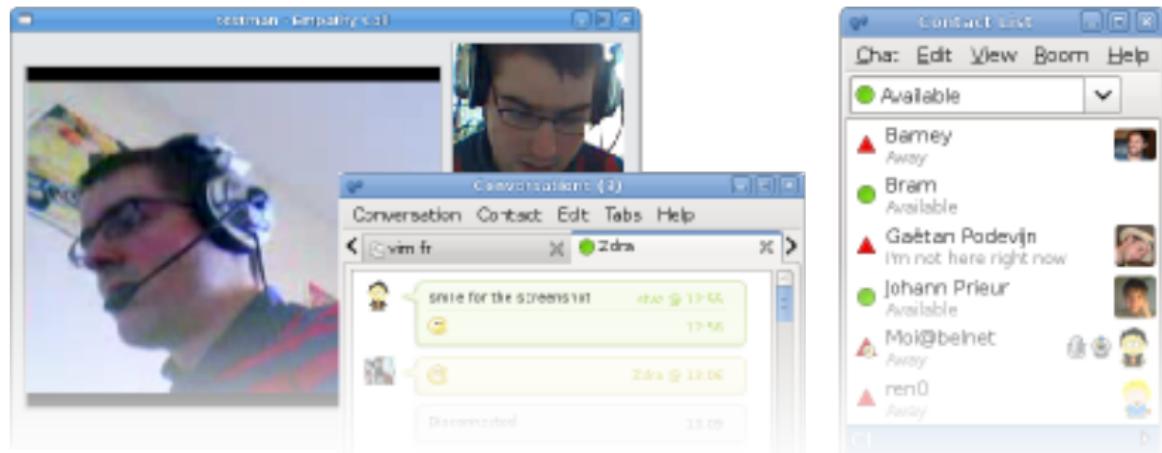
- ▶ move away from the monolithic client
- ▶ split stuff into separate processes
- ▶ run protocols as services
- ▶ create a standard DBUS API



# KDE Telepathy



# Empathy



# Skype

# Skypekit



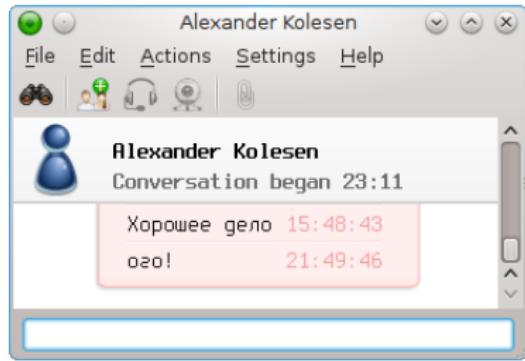
- ▶ headless version of Skype
- ▶ different OS
- ▶ different arches for Linux
- ▶ audio, video, ...
- ▶ not free (\$5 for developer license)

# Telepathy Skykit

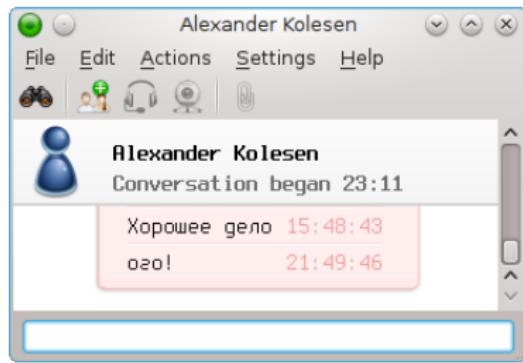


- ▶ protocol service
- ▶ connection manager
- ▶ telepathy based
- ▶ skypekit based
- ▶ python
- ▶ telepathy-python
- ▶ open source
- ▶ no license (now)

# Telepathy Skykit



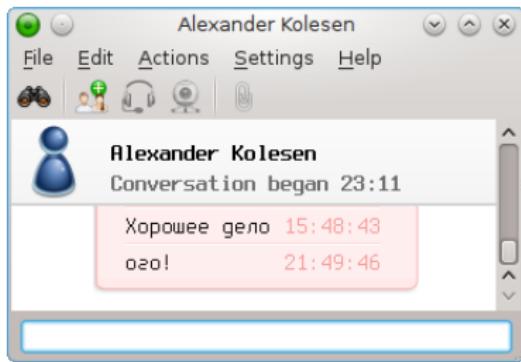
# Telepathy Skykit



## Supports

- ▶ presence
- ▶ contact list
- ▶ 1:1 chat
- ▶ avatar
- ▶ vcard

# Telepathy Skykit



## Supports

- ▶ presence
- ▶ contact list
- ▶ 1:1 chat
- ▶ avatar
- ▶ vcard

## Future plans

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

## More Info

- ▶ Maksim Melnikau (max\_posedon)
- ▶ 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>