

VkTelepathy: Telepaty Connection Manager based on libvkontakte library

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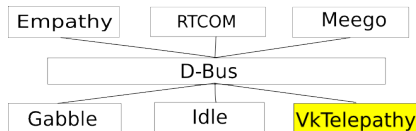
Telepathy

Goals:

- Developing Telepathy Connection Manager for VK social network
- Integrating Connection Manager to Maemo 5 platform

Platforms:

- Desktop (Empathy client)
- Nokia N900 (RTCOM framework)
- OLPC
- Meego platform



Current features

- Authorization on vkontakte social network
- Receiving contact list
- Showing presence status (online and offline)
- Sending messages
- Receiving messages
- Updating message status



Testing

- Instruments:
 - ▶ CUnit
 - ▶ Test-runner
- Automatic testing - 53 test cases
 - ▶ LOC - 461
- Manual testing:
 - ▶ Contacts receiving
 - ▶ Message sending
 - ▶ Message receiving
- Described bugs - 6



Team

- Vyacheslav Dimitrov, project leader
- Kirill Ivashov (Graduate student), developer
- Arsenii Sotnikov (Bachelor student), testing



Evolution

■ July-August 2010:

- ▶ Learning Telepathy
- ▶ Learning GLib Object System
- ▶ Writing example connection manager

■ September 2010:

- ▶ Writing Vkontakte Connection Manager
- ▶ Contacts receiving support
- ▶ Unit testing

■ October 2010:

- ▶ Presence status
- ▶ Message sending
- ▶ Message receiving
- ▶ Manual testing
- ▶ Unit testing

■ November 2010:

- ▶ Testing
- ▶ RTCOM plugin



Project Metrics

- LoC: 3950
- Tests:
 - ▶ Number of Automatic tests: 53
- Used Technologies:
 - ▶ GObject – Object system for C language
 - ▶ GLib – utility library for C language
 - ▶ Valgrind – for detecting memory errors
 - ▶ CMake – build system
 - ▶ Git – version control system
 - ▶ Telepathy – communication framework
 - ▶ <http://burtonini.com/cgi/gobject.py> – GObject skeleton generator
 - ▶ D-Feet – DBus debugger



Future plans

- Add support for status
- Add support for vkontakte wall
- Add support for authorizing new friends
- Add support for video
- Add support for audio
- Develop RTCOM plugin for Maemo



Current state

- **VkTelepathy project wiki:**
`http://oss.fruct.org/wiki/VkTelepathy`
- **Testing project wiki:**
`http://oss.fruct.org/wiki/Testing`
- **VkTelepathy Code:**
`http://gitorious.org/vktelepathy`
- **Testing Code:**
`http://gitorious.org/tr-testing`

Please, send bugs to `http://oss.fruct.org/bugzilla/`

Thank you for your attention

