

Mobile Broadband Configuration Assistant for NetworkManager

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About Me

- 20
- a wife and a baby
- Tampere University of Technology
 - computer hardware and digital engineering
- coding as a hobby
 - C, C++, Kernel hacking, VisualB...
- half a decade of Linux experience

Mobile Broadband is Here

- fast
- cheap
- mobile
- wide coverage
- not just for laptops

How to get to the Internet

- each service provider have their custom settings
 - can be found from providers [website](#)
- write configuration files by hand
 - or [download](#) files someone else has written

/etc/pppd/peers/saunalahti

```
115200
/dev/ttyACMO
connect 'chat -v -e -f /etc/chatscripts/saunalahti'

nodetach
persist
noauth

defaultroute
noipdefault
usepeerdns
```

/etc/chatscripts/saunalahti

```
ABORT BUSY
ABORT 'NO CARRIER'
ABORT VOICE
ABORT 'NO DIALTONE'
ABORT 'NO DIAL TONE'
ABORT 'NO ANSWER'
"" AT+CGDCONT=1,"IP","internet.saunalahti"
OK-AT-OK ATDT*99***1#
CONNECT ""
```

Create an Assistant

- easy to use
- out of the box
- well integrated with GNOME desktop environment
- not only mobile broadband
 - gprs, edge, umts, cdma, ...
 - it's really up to the phone, computer sees a simple modem

Making Life Easy for the User

- translatable
- no unnecessary technical questions
 - communication method
 - Bluetooth
 - USB
 - Serial
 - which device to communicate with
 - name and country of the service provider

Batteries Included

- distributions ship by default
- service provider database
 - APN
 - DNS servers
 - generic username and password

Note:

Support for dedicated USB modems and PCMCIA cards is left out because of the lack of hardware.

Like a Round Block in a Square Hole

- integration with NetworkManager
 - ships with every modern distribution using GNOME
- native GNOME-look
 - Gtk+
 - Glade UI Designer
 - GNOME Human Interface Guidelines

Where do We Stand Right Now

- Mentor:
 - Dan Williams <dcbw@redhat.com>
 - the main developer of NetworkManager
- NetworkManager:
 - support for Point-to-Point Protocol is coming
 - but isn't there yet
 - 4 weeks reserved for integration
 - plenty of time for improvements
- Service Provider Database
 - 400 settings as a legacy from GPRS Easy Connect project
 - XML, Public Domain

Questions

More information:

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<http://www.kaijanmaki.net/blog>

Time Left?

Answer the following questions:

- 1 Who is the mentor of the project?
- 2 What are the supported communication methods?
- 3 Where's the cat?

Write an essay:

Write a short essay (max. 500 words) about the subject *What is Freedom to me*. Please, consider at least how Freedom affects your everyday life and the decisions you make.

*“Se ei ole aukko, kunnes me pystymme itse
varmistamaan että se on aukko.”*

– Hannu “Sampo” Vuola

Thank You!