

IT-Political Association of DK

Polippix

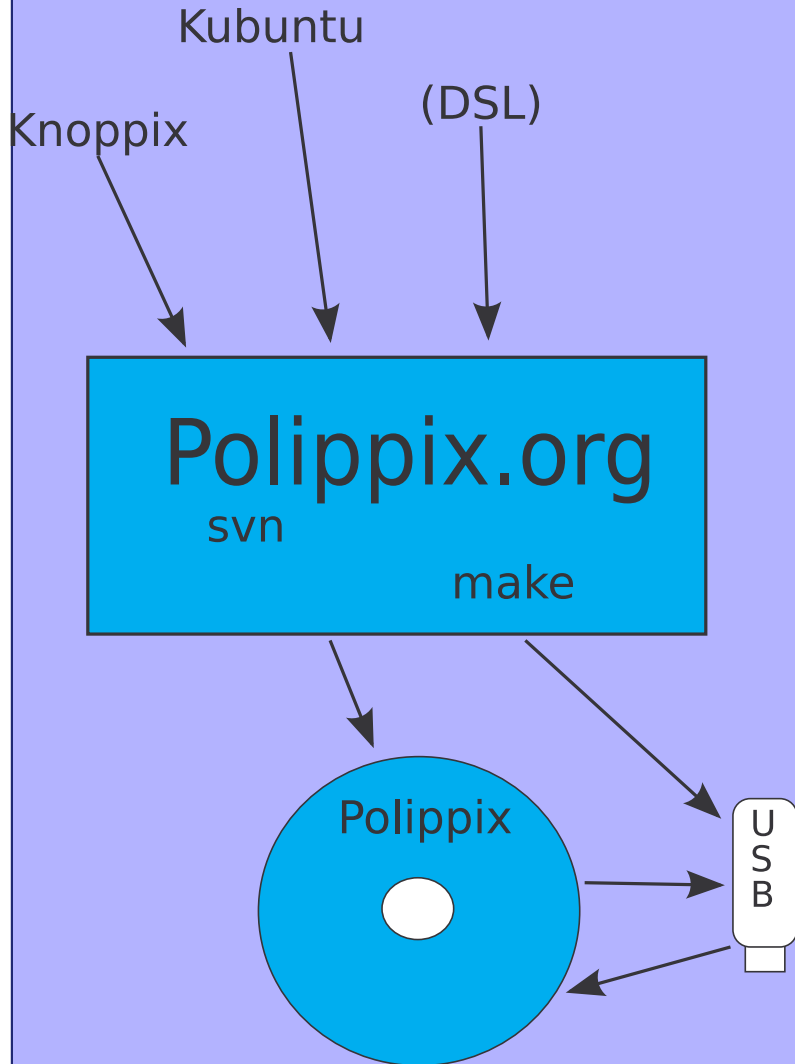
**Live CD for privacy and freedom
FOSDEM Brussels Feb 24, 2008**

Political background

- 15 Sep 2007: logging of Internet, phones, etc in Denmark.
- Netfilter: DNS based "blocking" of domains = Censorship.
- Infosoc
- Surveillance in other countries. Danes travel a lot.
- Lack of freedoms on workplaces, schools, etc.



Technical background



CD layout

ISO9660

www/texts

/video

windows programs

squashfs/cloop

/

/home/polippix

/cdrom

/usr/bin

/usr/local/bin

What is on Polippix

- TOR, Onion routing (privoxy, Torbutton)
- macchanger (changes all MAC addresses on boot)
- Twinkle, SIP/ZRTP phone
for privacy, combine with WiFi, macchanger for anonymity
- Etherape
- K3b, k9copy
- GPG, bccrypt, etc.
- mplayer
- bind, resolvconf, against DNS filtering censorship.
Only use DNS from DHCP as last resort.

Windows programs on CD-FS

- Xb Browser (TOR+Firefox). Consider TOR+Vidalia
- VLC, media player
- Putty, SSH client
- Eraser, disk/file wipe
- Qemu, batch file that run Polippix in Qemu

The four freedoms

to run software for any purpose even to counter government surveillance.

to study users need to be able to verify that there are no back-doors.

to redistribute We needed to distribute tens of thousands Polippix'es. We want peer-to-peer distribution for anonymity.

to improve • we just improved existing software to our needs.

- ensures that Polippix cannot be easily stopped.

If not for FOSS, who would make something like Polippix?

Even if there was demand for it?

Political influence

- Articles about Polippix and data retention in all major danish newspapers.
- blogs
- On all TV channels.
- Meetings with politicians.
- The minister of justice have commented on Polippix. (she did not like it).



Technical challenges

- Media: USB, SD-card
- Embedded systems
- PDA's, Phones (OpenMoko)
- Network: Mesh, bluetooth



Harder problems

Distribution of keys

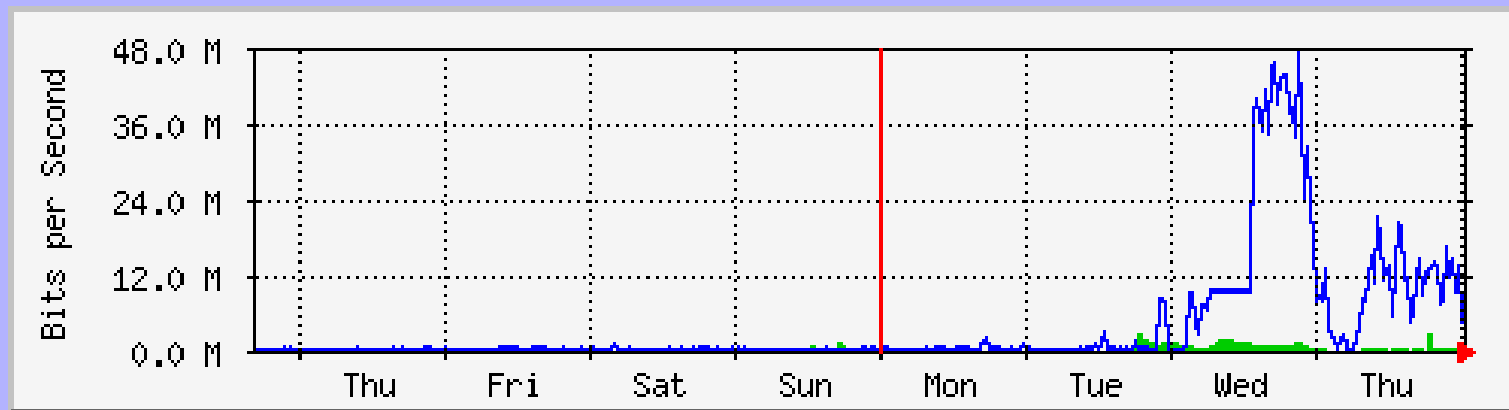
- Key-signing parties outside FOSS forums
- CD Wormhole twins
- Using fingerprints from ZRTP

Outreach



Community

- Polippix mailinglist
- IT-Pol members
- Good friends in IT. Eg. 1.6 GByte/s mirrors in one day. Plus torrents.



- interest from other European countries
- FACT, Freedom Against Censorship Thailand
<http://facthai.wordpress.com/>

How to join Polippix

Polippix <http://www.polippix.org>

IT-Pol <http://itpol.dk>

Join Polippix mailinglist polippix@itpol.dk

Niels elgaard@agol.dk

Board of IT-Pol bestyrelsen@itpol.dk