IT-Political Association of Denmark

The Polippix Experience − Live CD for privacy and freedom, PRISE, Wien April 28-29, 2008

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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.

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, LAN monitoring for demonstration

- K3b,k9copy, fair use

- GnuPG, bcrypt, etc: encryption

- mplayer : cures region coding, saves streams, etc.

- bind, resolvconf, against DNS filtering censorship. Only use DNS from DHCP as last resort.

- wipe (disk file), jhead (clean jpeg images)

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

Free software and privacy

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.

Political influence

- Articles about Polippix and data retention in all major Danish news-papers.
- 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

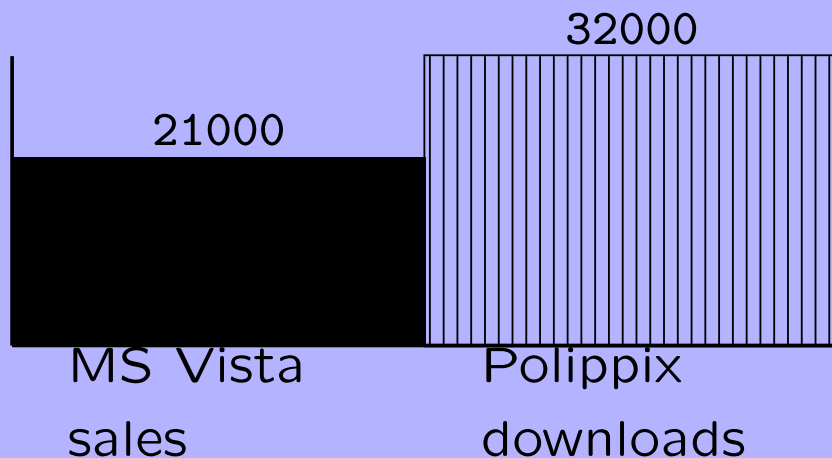# Outreach

Questions on http://it-politi.dk/

- Do you watch porn on the net? What kind?
- Are member of political party, religious society? Which?
- Do you eat pork on airplanes?
- Do you have regular contact with communists, xenophobes, or muslims?
- Who are the last 5 persons, you phoned?
- What is your sexual orientation?
- Have you been in Muslim or communist countries the last 10 years?
- How much do you earn per year?
- Do you consider your answers confidential? On a scale from 1-10, much much do you trust **us** with your answers? The **police**?
- Can we publizice your answers?
- Do you want to give us your name and address to enter a draw for two bottles of wine?

Community
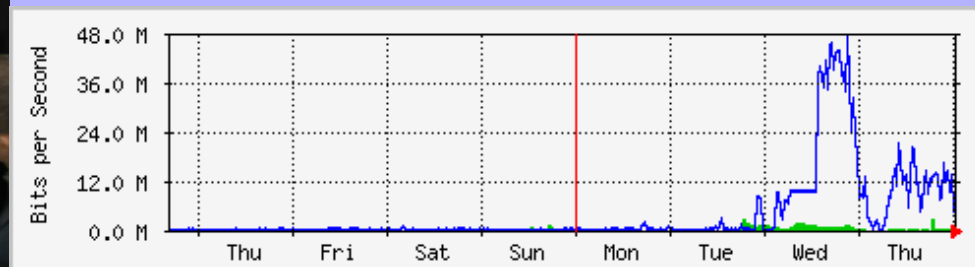
- Polippix mailinglist

- IT-Pol members

- Good friends in IT. Eg. 1.6 Gbit/s mirrors in one day. Plus torrents.

- FACT, Freedom Against Censorship Thailand
  http://facthai.wordpress.com/

- Interest in Europe: France, Germany, etc.

Lessons learned

- Many citizens just did not know they had a chance to protect their privacy.
- Everyone have something they want to hide, but it is not the same.
- Most people are not comfortable with the amount of surveillance.
- Software **can** make politicians listen, and discuss.
- Privacy and freedom are the Killer Application of Free Software
- Polippix more popular than MS Vista (DK, week 12 2007).

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                              32000
         21000

   MS Vista      Polippix
   sales         downloads
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Contact and questions

Polippix http://www.polippix.org

IT-Political Association of DK http://itpol.dk

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