Portable Privacy
Portable Privacy
2006: Darfur, Sudan
1989: Beijing, China
2005: United States of America
Portable Privacy
Alias: LadyAda
Name: Limor Fried
Crime: Felony Assault w/ Banana
Location: New York, NY
Hangouts: Adafruit Industries
Notes: Gang member of cow worshipping death cult
Last Seen: In the Company of Kevin Rose
Portable Privacy

3 Golden Principles

- Portability
- Elegance
- Trustworthiness
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Portability

- Run Locally
- Run Remotely
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Trustworthiness

- Bypassed by Trust
- Source Code
- License
- Fail Securely
- Imputed Protection
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Elegance (HCI and Beyond)

Who Cares?
Everyone
Portable Privacy

Elegance (HCI and Beyond)

- Appealing
- Intuitive
- Easy to Use
- Self – Contained
- Informative Status
- Transparency
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Digital Risk Vectors

- Communications
- Data Storage
- Transactions
- Computing Environment
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Communications

- General
- Web Browsing
- Email
- Chat / Messaging
- VoIP
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General

- Janus VM
- xB VPN
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Web Browsing

- Anonymizer
- xB Browser
  - Tor Network
  - XeroBank Network
- OperaTor
- Honorable Mentions
- Dishonorable Mentions
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Email Clients

- Thunderbird Portable
- MobilityEmail
- xB Mail
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Messaging

- IRC
- Scatterchat
- Psi
- Miranda + OTR
- Pidgin + OTR
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VoIP

- Portable Skype
- myJabber
- Vonage USB
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Data Storage
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Transactions

- Risky Digital Currencies
- Anonymous Currencies
  - Loom
  - eCache
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Computing Environments

- RockAte LiveCD
- Incognito LiveCD
- xB Machine
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xB Machine

- Runs on VMWare & QEMU
- Private Network Info Only
- Firewalled to Interface
- Hardening
- Clients: Tor, Jap, xB SSH, xB VPN, xB Onion
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xB Machine

- Usability Features
  - Firefox
  - Thunderbird
  - GPG / Enigmail
  - Jabber
  - Word Processor
  - Image Viewer
  - File Manager
  - Autocfg of Anonymity Clients
  - Remote Encrypted Filesystem Mounts
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xB Machine

● Usability Features
  - Local User Filesystem with Look-AES
  - Userdir with dmcrypt/pam_mount
  - Console
  - Easy Updates w/o destroying userdir
  - Integrity Check from host system
  - Windowmanager: Enlightenment
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xB Machine

- Risks
  - Programs spying on network setup
  - Programs sending rogue packets

- Future Features
  - LiveCD to boot QEMU to xB Machine