

Hacktivism



Portable Privacy

Portable Privacy





Photo thanks to RubberQueen



2006: Darfur, Sudan



1989: Beijing, China



2005: United States of America



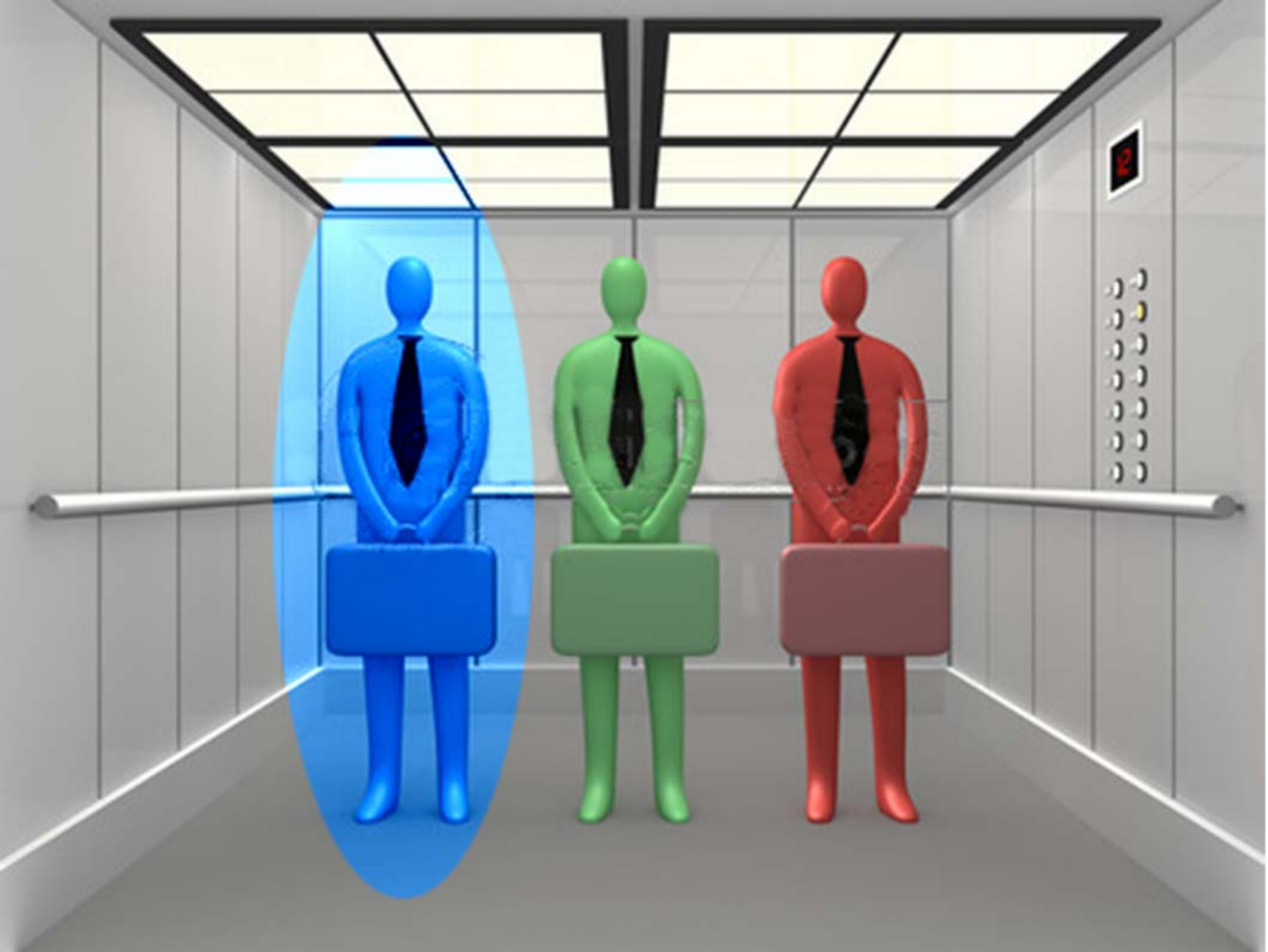
at&t

Your world. Delivered. To the NSA.

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

Portable Privacy

Portability

- Run Locally
- Run Remotely

Portable Privacy

Trustworthiness

- Bypassed by Trust
- Source Code
- License
- Fail Securely
- Imputed Protection

Portable Privacy

Elegance (HCI and Beyond)

Who Cares?

Everyone





Portable Privacy

Elegance (HCI and Beyond)

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

Portable Privacy

Digital Risk Vectors

- Communications
- Data Storage
- Transactions
- Computing Environment

Portable Privacy

Communications

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

Portable Privacy

General

- Janus VM
- xB VPN

Portable Privacy

Web Browsing

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

Portable Privacy

Email Clients

- Thunderbird Portable
- MobilityEmail
- xB Mail

Portable Privacy

Messaging

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

Portable Privacy

VoIP

- Portable Skype
- myJabber
- Vonage USB

Portable Privacy

Data Storage

Portable Privacy

Transactions

- Risky Digital Currencies
- Anonymous Currencies
 - Loom
 - eCache

Portable Privacy

Computing Environments

- RockAte LiveCD
- Incognito LiveCD
- xB Machine

Portable Privacy

xB Machine

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

Portable Privacy

xB Machine

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

Portable Privacy

xB Machine

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

Portable Privacy

xB Machine

- Risks

- Programs spying on network setup
- Programs sending rogue packets

- Future Features

- LiveCD to boot QEMU to xB Machine

Hacktivism

