

Tails OS

Introduction to Tails OS

Austin LUG

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Presenter : Austin English

About Me

- Austin English
- Bad at LibreOffice Impress..
- Day Job: Senior Build and Release Engineer @ Gaikai
- Gentoo Developer
- Tails Developer
- Wine Developer
- Winetricks Maintainer

About Tails

- The
- Amnesiac : Stores nothing on local disk
- Incognito : All internet traffic goes over Tor
- Live : Live
- System : Operating System

Tails OS

- Can be started via USB/SDcard/DVD
- Use the Internet anonymously and circumvent censorship
- All connections to the Internet are forced to go through the Tor network
- Leaves no trace on the computer you are using unless you ask it to explicitly
- Use state-of-the-art cryptographic tools to encrypt your files, emails and instant messaging (GPG/OTR/etc.)

Tails OS

- Based on Debian
- Contains utilities useful for day to day OS usage
- Financially supported by Mozilla, Tor, etc.
- Focus on security and usability
- Free (beer/speech) software
- Used by Edward Snowden, Barton Gellman, Laura Poitras, and Glenn Greenwald
- Also used by journalists, human rights activists in repressive countries (China, Iran, Myanmar, Vietnam, etc.)

Other Tails Stuff

- I2P, an anonymizing network
- Electrum, an easy-to-use bitcoin client
- Florence virtual keyboard
- KeePassX password manager
- LUKS and GNOME Disks to install and use encrypted storage devices, e.g. for USB sticks
- MAT to anonymize metadata in files
- Shamir's Secret Sharing
- Memory is wiped on shutdown

Tails Limitations

- NSA/GCHQ/etc. take a special interest in Tails users
- Unencrypted traffic is still unencrypted..
- Starting with 3.0 (June 13, 2017), 64-bit processor will be required!
- Mixing personas on Tor == potential leak

Installing Tails

- Debian/Gentoo/Mint/Ubuntu – Tails Installer
- Mac OSX/Other Linux/Windows – Two USB Sticks (one intermediary..)
 - Linux: GNOME Disks
 - OSX: dd
 - Windows: Universal USB Installer

Tails Persistence

Personal Data (documents, etc.)

GnuPG

SSH Client (keys, configurations)

Pidgin

Icedove

GNOME Keyring

Network Connections

Tor Browser bookmarks

Printers

Bitcoin Client

APT Packages

APT Lists

Dotfiles

Additional software packages

Contribute To Tails

- Contribute (code, translation, documentation, graphic design):

<https://tails.boum.org/contribute/index.en.html>

- Easy bugs: <http://bit.ly/2lb7X94>

- Donations :

<https://tails.boum.org/donate/index.en.html>