On the conference USB sticks and Tails.

Joel Alwen

IST Austria
USB Stick Design Goals

1. Automount Proceedings on any live system
USB Stick Design Goals

1. Automount Proceedings on any live system

2. Bootable Tails install on as many systems as possible.
USB Stick Design Goals

1. Automount Proceedings on any live system

2. Bootable Tails install on as many systems as possible.

⇒ AAAARRRGGGG!!!
USB Stick Design Goals

1. Automount Proceedings on any live system

2. Bootable Tails install on as many systems as possible.

⇒ AAAARRGGGG!!!

Thanks: Björn Tackmann & Patrick Seidelmann
Compromise

+ Should Work™

- Security: not super...
Compromise

+ Should Work™

- Security: not super...

Appeal trumps Soundness...
Compromise

+ Should Work™

- Security: not super...

⇒ Play with it. If you like it and want to use it for real role your own!
So... Tails?
So... Tails?
So... Tails?

- OS providing very strong but easy-to-use privacy and anonymity tools.
So... Tails?

- OS providing very strong but easy-to-use privacy and anonymity tools.
- Linux. But...
  - Everything pre-configured and equipped with setup-wizard where needed.
  - No command line! Everything with pretty pointy-clicky type interfaces.
Tails: Sweet Features

• Leave no trace!
  – Boot USB stick Read Only
  – Don’t mount local drives.
  – Wipe memory on shutdown.
Tails: Sweet Features

• Leave no trace!
  – Boot USB stick Read Only
  – Don’t mount local drives.
  – Wipe memory on shutdown.

• Encrypted Persistent Partition
  – Store your crypto keys. Data your working on. etc.
  – Setup via 2-click wizard. Absolutely trivial.
Tails: Sweet Features

• Tor & TorBrowser.
  – Preconfigured and ready to use out of the box.
Tails: Sweet Features

• Tor & TorBrowser.
  – Preconfigured and ready to use out of the box.

• PGP
  – Already Integrated into email client.
  – Preconfigured to store your keys in persistent (encrypted) partition.
Tails: Sweet Features

• Tor & TorBrowser.
  – Preconfigured and ready to use out of the box.

• PGP
  – Already Integrated into email client.
  – Preconfigured to store your keys in persistent (encrypted) partition.

• Integrity Checks.
  – gtkHash: Compute several crypto-hashes of a file
Tails: MOAR Sweet Features!

- Password Manager: KeyPassX
Tails: MOAR Sweet Features!

• Password Manager: KeyPassX
• Bitcoin Wallet
Tails: MOAR Sweet Features!

- Password Manager: KeyPassX
- Bitcoin Wallet
- Document Metadata Anonymizer: MAT
Tails: MOAR Sweet Features!

- Password Manager: KeyPassX
- Bitcoin Wallet
- Document Metadata Anonymizer : MAT
- Collaborative Document Editor
Tails: MOAR Sweet Features!

- Password Manager: KeyPassX
- Bitcoin Wallet
- Document Metadata Anonymizer : MAT
- Collaborative Document Editor
- The Usual Suspects: music player, video viewer, document editor, etc...
Tails: MOAR Sweet Features!

• Password Manager: KeyPassX
• Bitcoin Wallet
• Document Metadata Anonymizer : MAT
• Collaborative Document Editor
• The Usual Suspects: music player, video viewer, document editor, etc...
So Basically...

Try it. Like it. Use it.
So Basically...

Try it. Like it. Use it.

Recommended by: Snowden. EFF. People who care about privacy...
So Basically...

Try it. Like it. Use it.

Recommended by: Snowden. EFF. People who care about privacy...
Not Recommended by: NSA.
So Basically...

Try it. Like it. Use it.

Recommended by: Snowden. EFF. People who care about privacy...

Not Recommended by: NSA.

“Tails. Awww Yeah.”

- W. A. Mozart, 1783