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Practical Privacy Tools for Everyone

@orgshef #privacytools

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Tails Live OS Demo

Public/private key encryption workshop

Privacy tools for smartphones

Open Discussion: Why privacy matters

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“Encryption works. Properly implemented strong crypto systems are one of the few things that you can rely on. Unfortunately, endpoint security is so terrifically weak that NSA can frequently find ways around it.”

- Edward Snowden

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**The tools that we will demonstrate tonight
work because:**

They use strong encryption

They use end-to-end encryption

They are open source

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Encrypted Email with Thunderbird + Enigmail

Debian + ubuntu: **apt-get install enigmail**

Other Operating systems:

<https://www.enigmail.net/documentation/quickstart.php>

Privacy tools – Long term use report

- Richard King – Open Rights Group – Android Phone
 - Redphone for secure telephone calls
 - TextSecure for secure text messages
 - Chat secure for secure chat
 - Plumble for encrypted group voice chat
 - Flock (encrypted calendar and contact sync)
 - Orbot – Route web traffic via Tor
 - KeePassDroid (encrypted password database)
 - Native Android full disk encryption

Privacy tools – Long term use report

- Richard King – Open Rights Group – Nexus 7 tablet
 - <https://blog.torproject.org/blog/mission-impossible-hardening-android-security-and-privacy>
 - installation and configuration of a secure, full-featured, Android telecommunications device with full Tor support, individual application firewalling, true cell network baseband isolation, and optional ZRTP encrypted voice and video support.
 - Richard says 'I'm pretty happy with the results - the only difficulty in practical use has been that it's fiddly to use wifi hotspots if they require you to authenticate via a captive portal'

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Website & Mailing list

<https://sheffield.openrightsgroup.org>

Events:

<https://www.meetup.com/ORG-Sheffield>

Twitter: @orgshef

Email: sheffield@openrightsgroup.org

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Other Sheffield Events and Groups

sheffgeeks.github.io