Reclaiming privacy in the web with Whonix on KVM

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Who am I

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Agenda

- Introduction
- 2. Hypervisors and emulators
- 3. QEMU/KVM
- 4. Privacy Operating Systems
- 5. Whonix
- 6. Tor network
- 7. Hands-on: Installing Whonix on QEMU/KVM

Intro

What are we doing today?

Installing on our local machine one of the most privacy-focused systems available (and reviewing some concepts before that)

Virtualization Platforms: Hypervisors and emulators



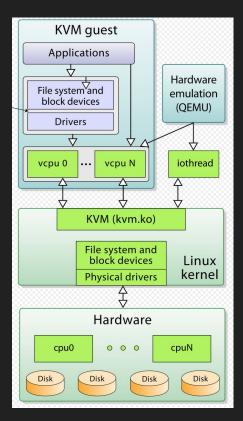
Hardware virtualization

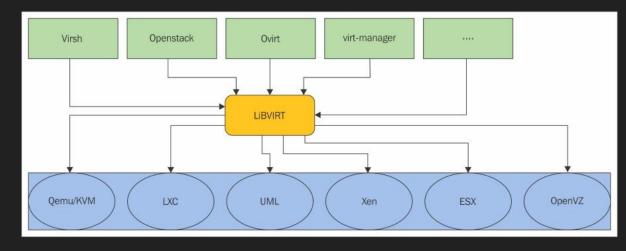
type 1 and 2



Software emulation: emulates the hardware

QEMU/KVM





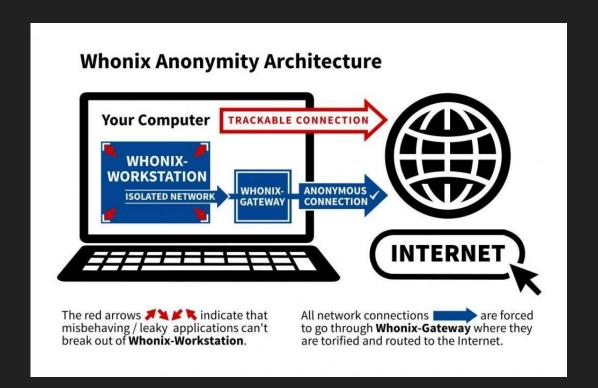
Privacy-focused Operating Systems



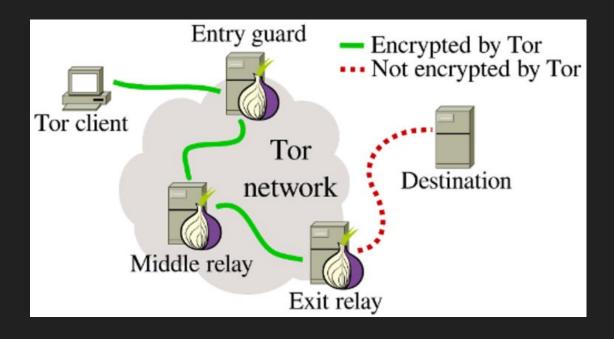


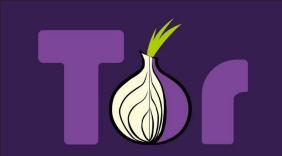


Whonix



Tor network





Hands-on: Installing Whonix on QEMU/KVM

https://github.com/caldito/whonix-kvm-workshop

- 1. Installing QEMU/KVM, libvirt and virt-manager
- 2. Whonix download, verification and extraction
- 3. Whonix network setup
- 4. Whonix VM and disks setup
- 5. Start and connect to the internet anonymously

Thank you!