QUBES OS 4

A reasonably secure operating system

FIRST TC - 10 september 2018

Presented by Xavier BAHUON, CISSP at ACTION CYBER

Summary

- **What is Qubes OS ?**
- **How does it works ?**
- **Use case :**
  - Receipt of documents (HR, Marketing…)
  - Administrator IT
  - Pentesting Lab
- **And more…**
- **Gaps and roadmap !**

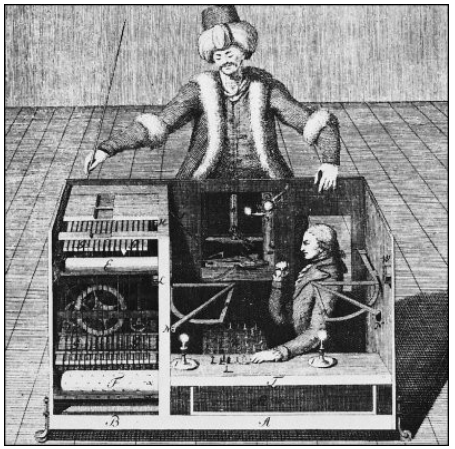
What is Qubes OS ?

- License GNU GPL v2

- Hypervisor “bare metal” : Xen OS

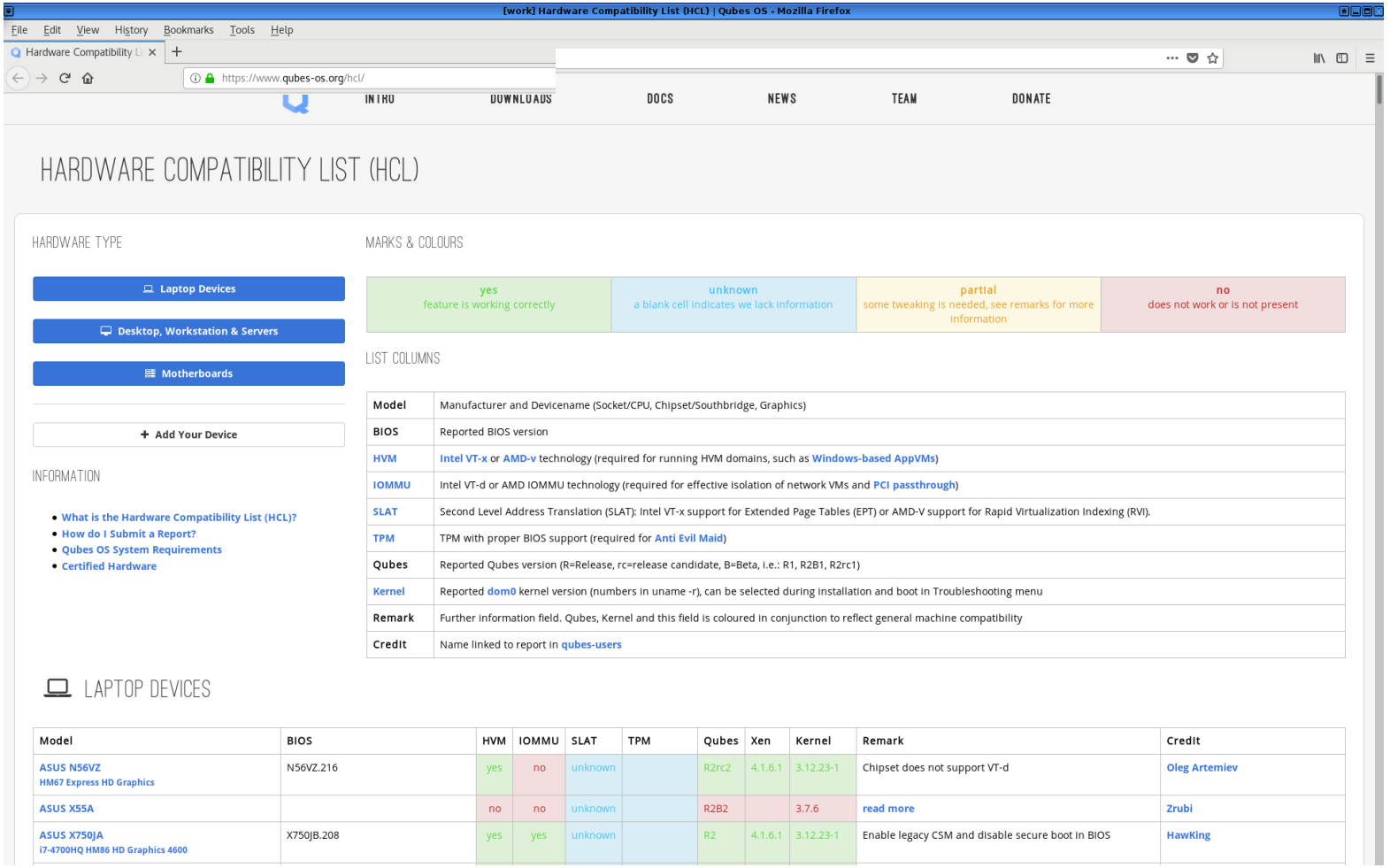
- Virtualize : Linux, Windows

- Approach :
Don’t trust the hardware



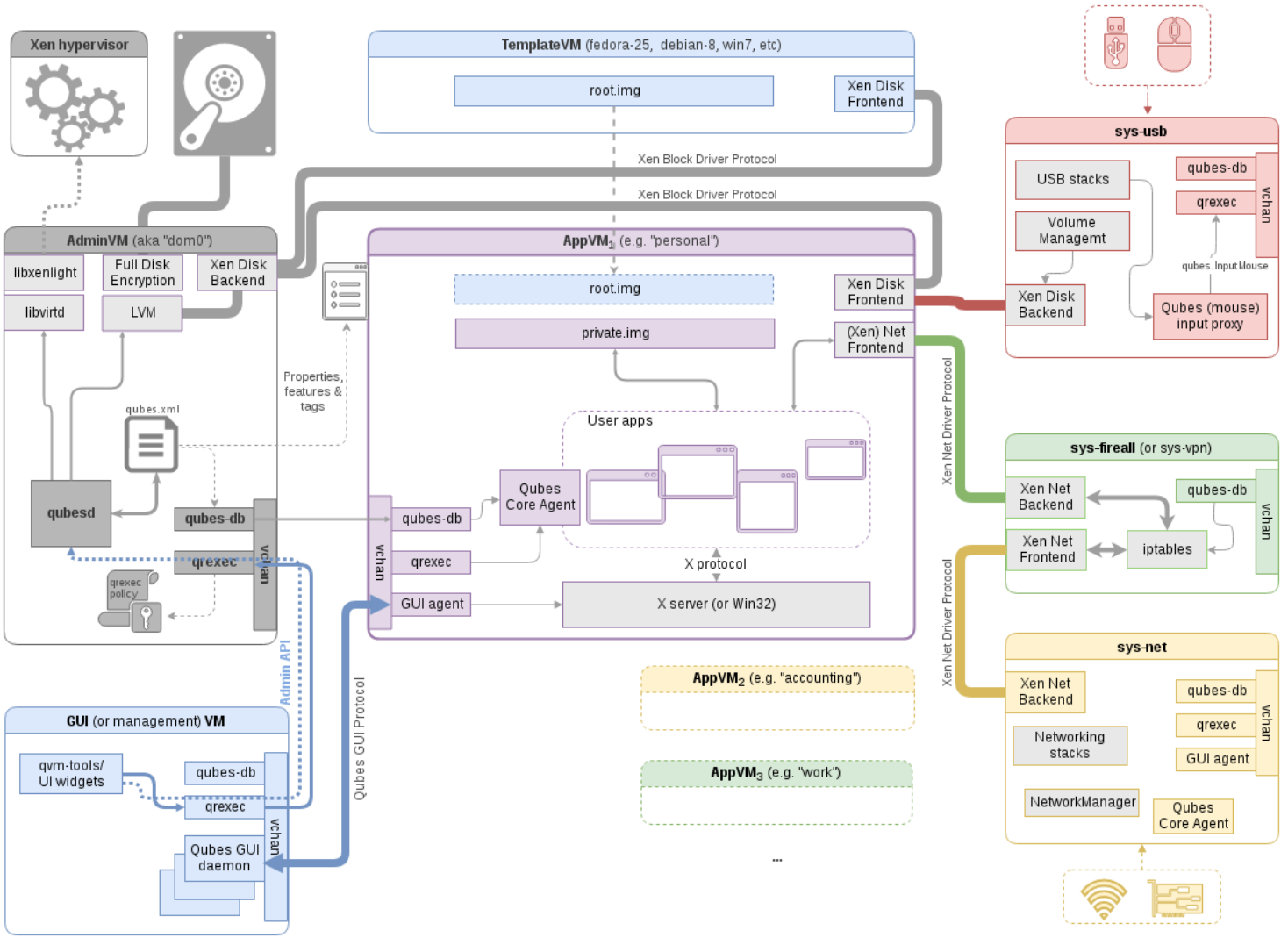
What is Qubes OS ?

- Hardware Compatibility List

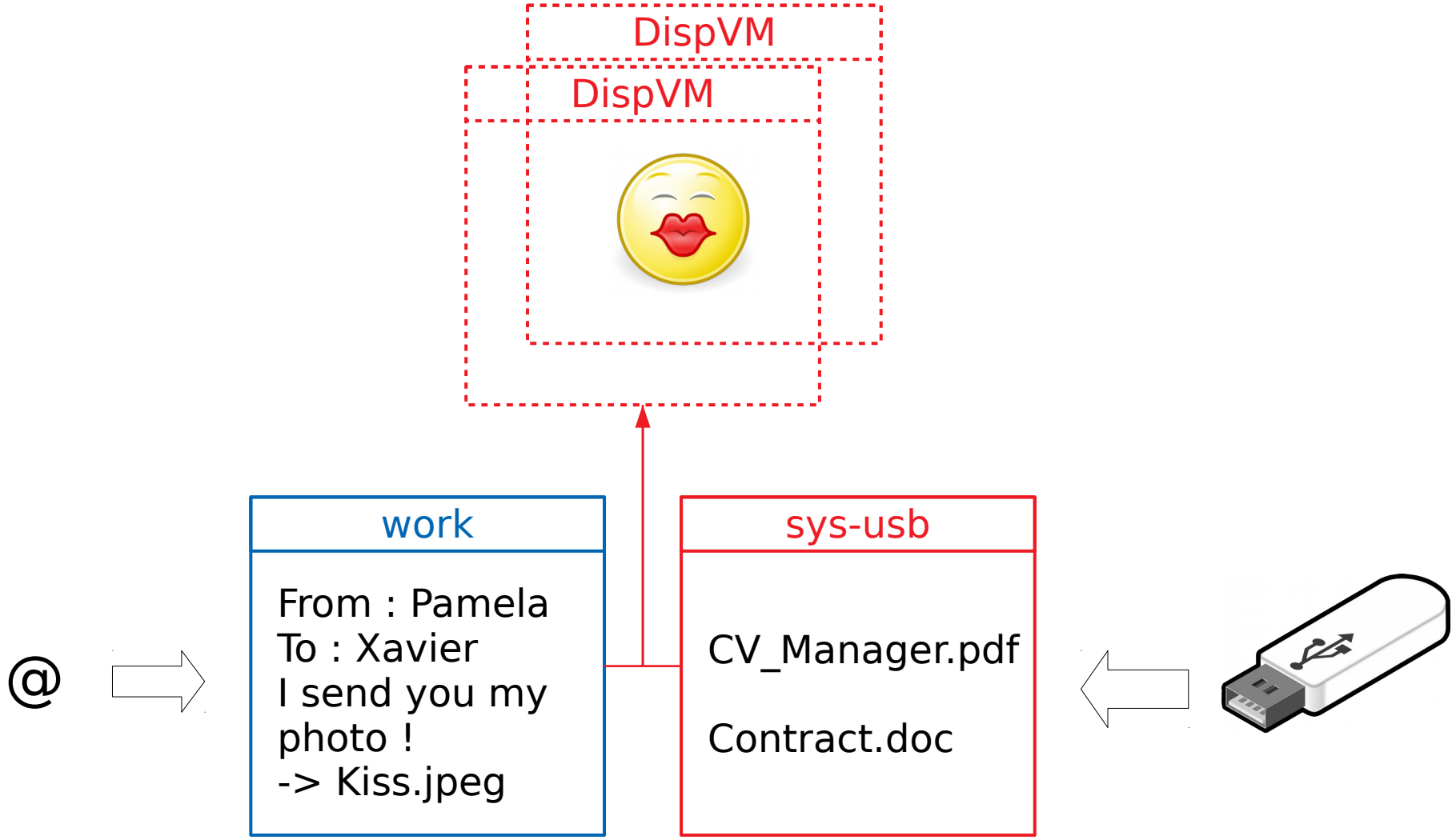


How does it works ?

Architecture of QUBES OS

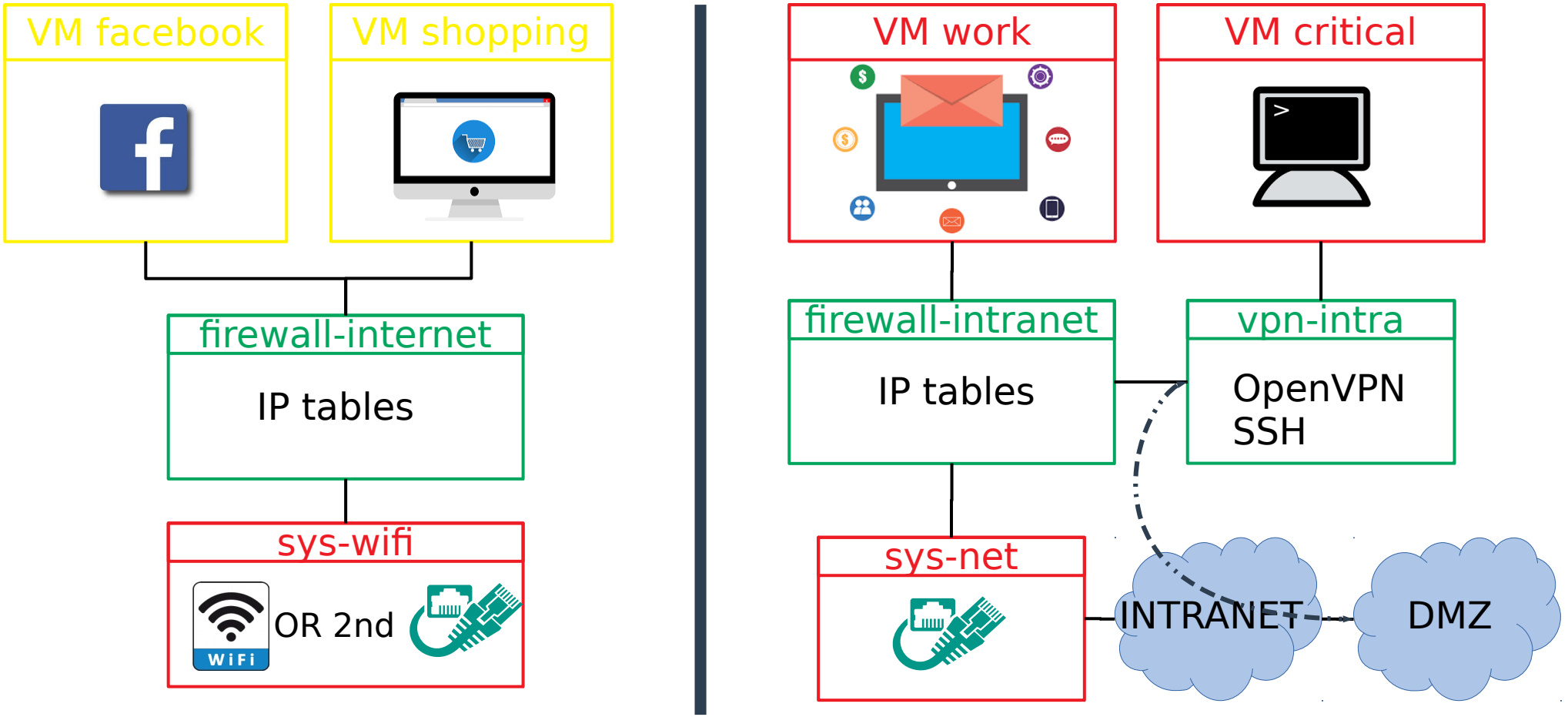


Use Case -> Receipt of documents (HR, Marketing...)

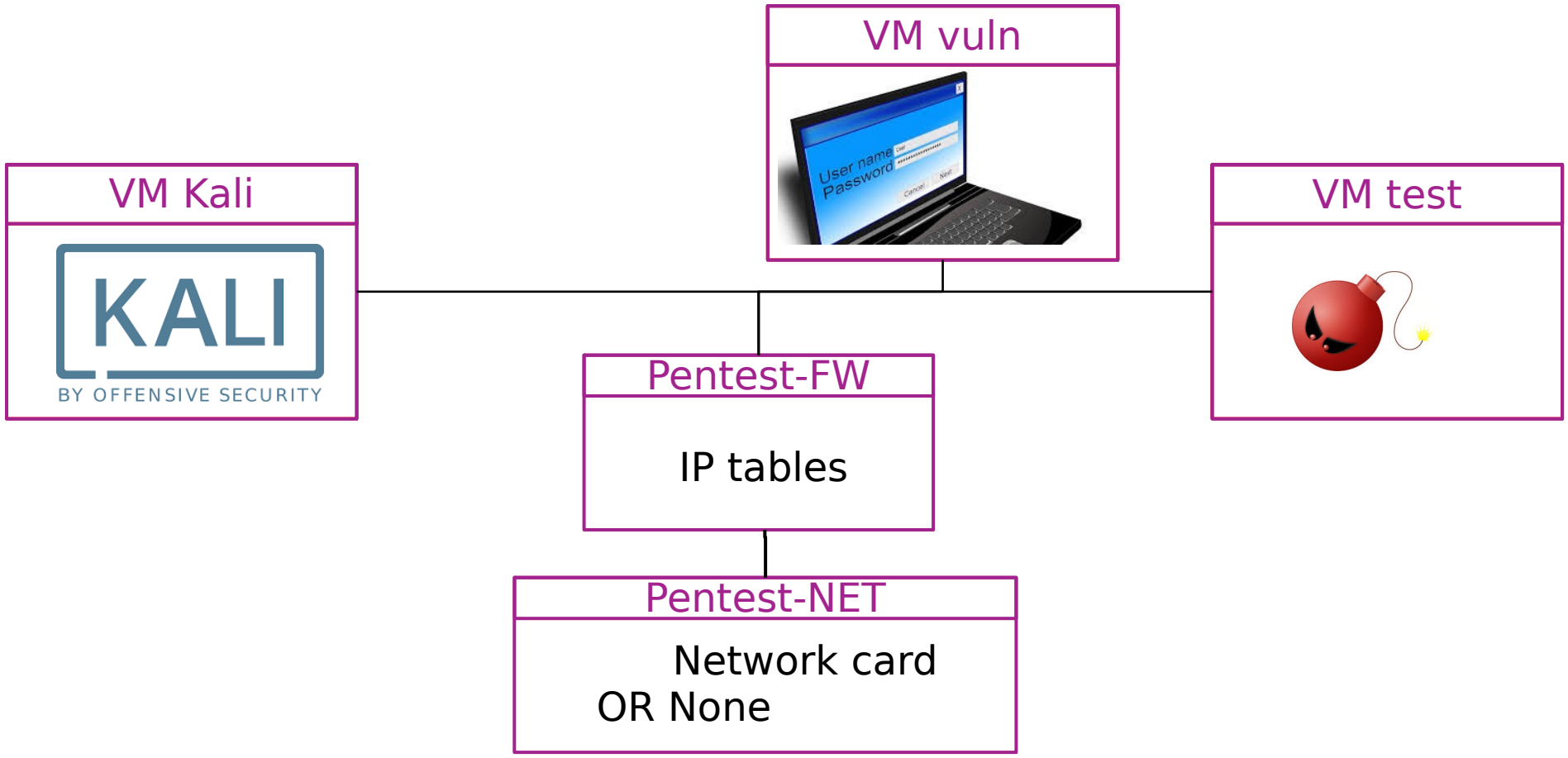


Use Case -> Administrator IT

Same machine but compartmentalization



Use Case -> Pentesting Lab



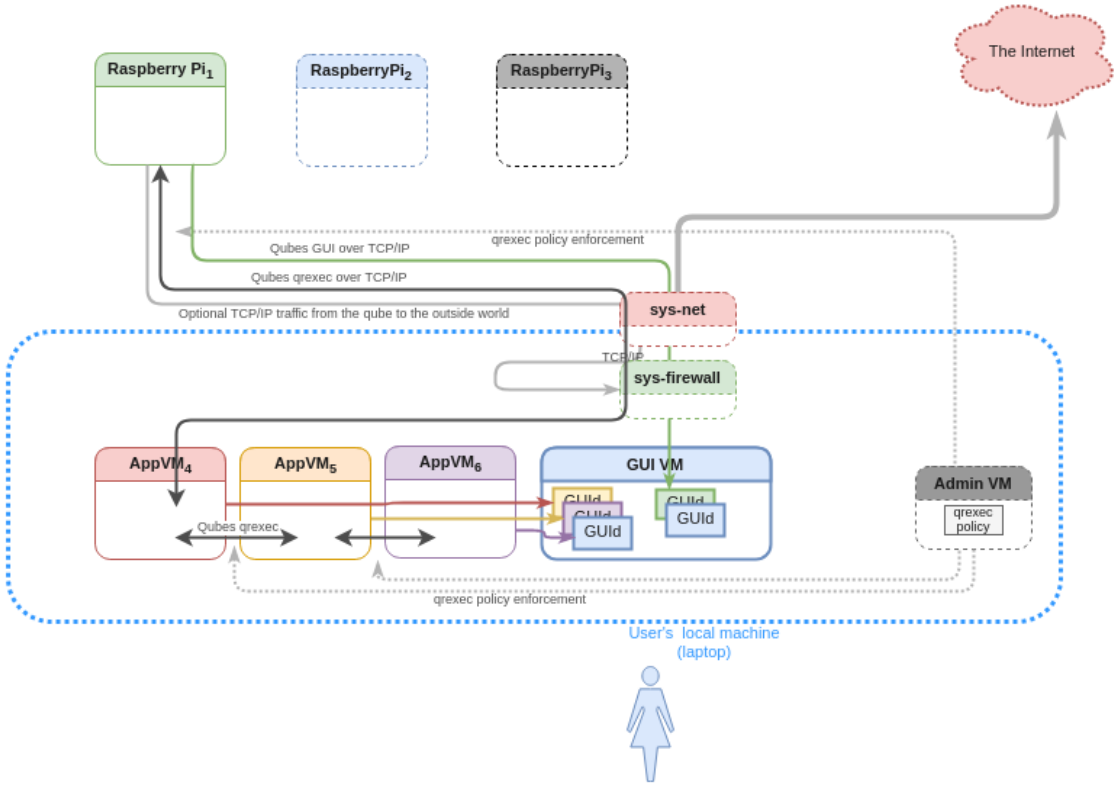
And more...

- The Salt Deployement architecture
- Anonymization with Tor

→ www.qubes-os.org

Gaps and roadmap !

- **Air GAP**
- **Forensic lab**
- **GPU-passtru**



Thank you for your attention

Questions ?