

# Qubes OS



# Overzicht

- Domeinen
- Templates
- USB
- Netwerken

trusted & secure hypervisor, e.g. Xen

“Work” VM



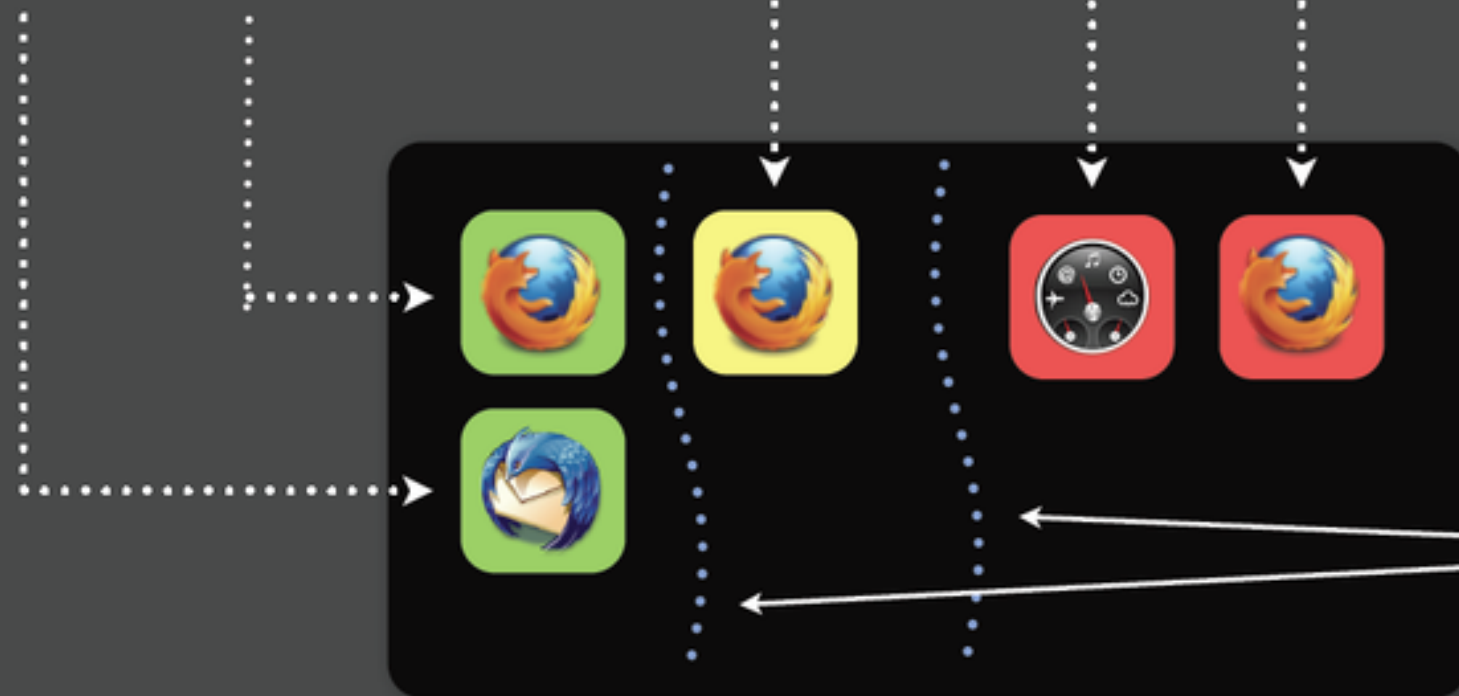
“Shopping” VM



“Random” VM



...



Isolation enforced by the hypervisor!

The user's desktop

# Templates

- **Template:**
  - Basis
  - Installatie van programma's
- **App:**
  - Eigen /home directory binnen Template
  - Alleen 'read' rechten op root filesystem

# Templates (2)

- Debian 9
- Fedora 26
- Whonix
- Community:  
Ubuntu, Arch, Kali, Windows, NetBSD ...

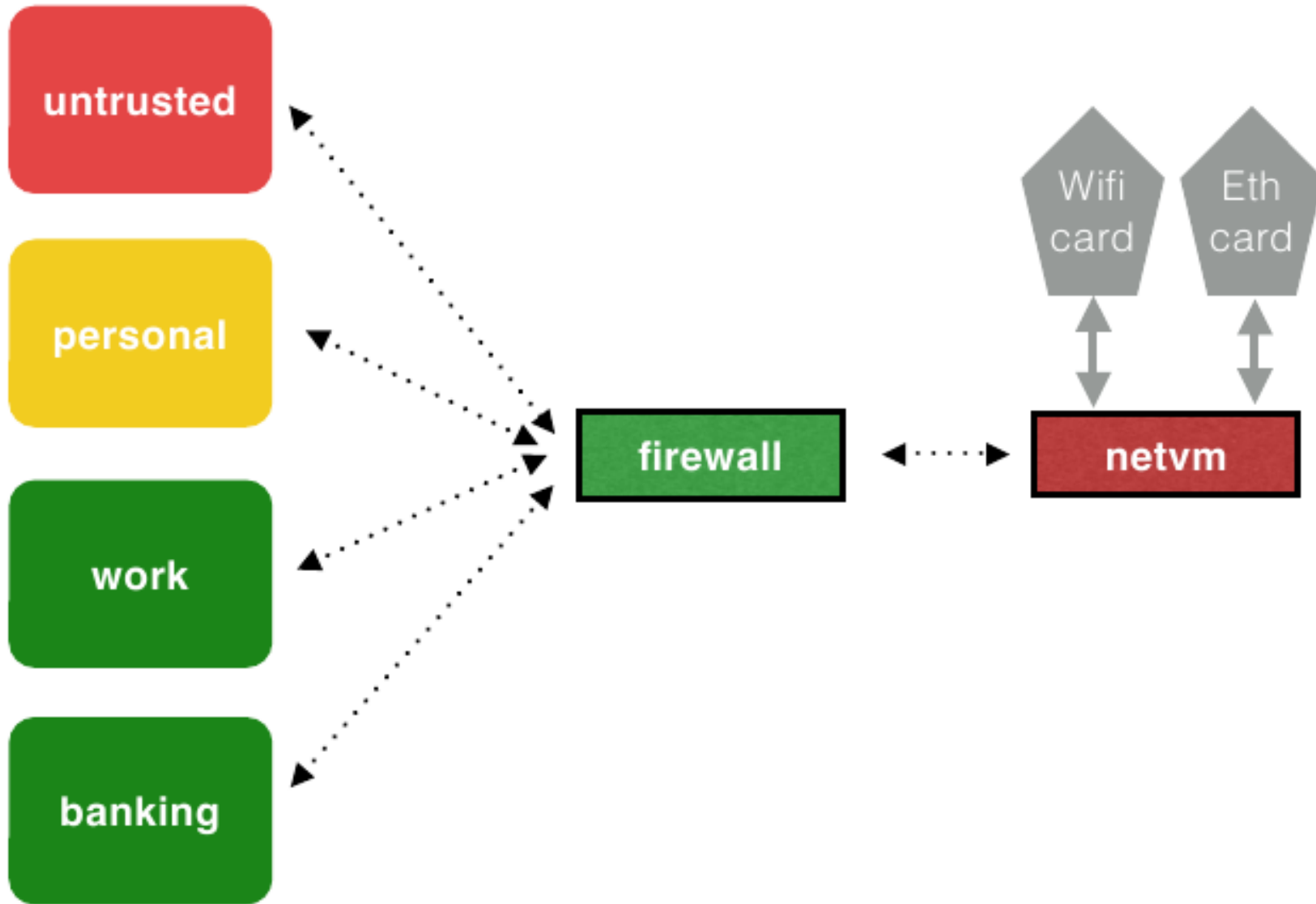
# USB

- Webcam
- USB opslag

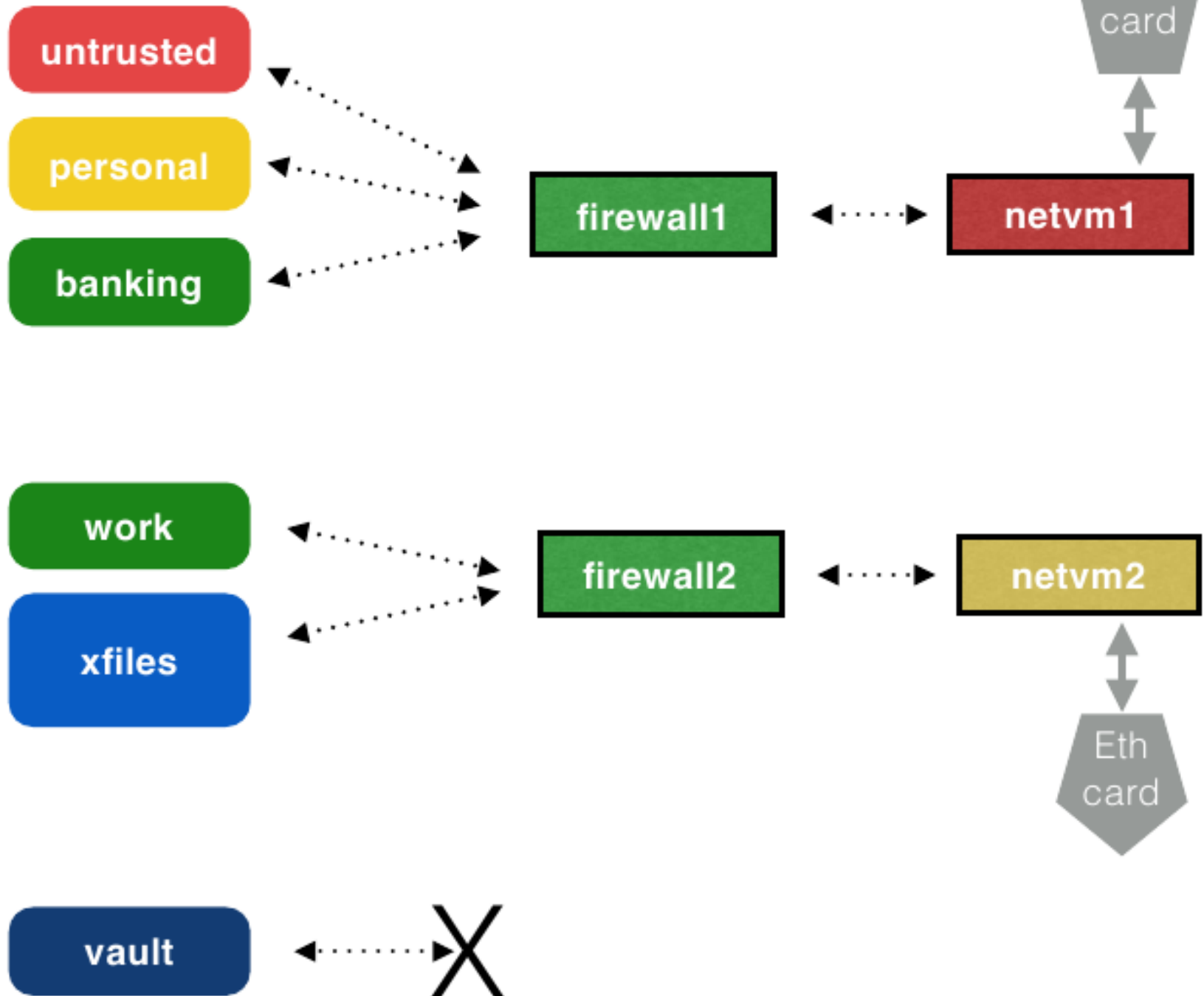
# Netwerken

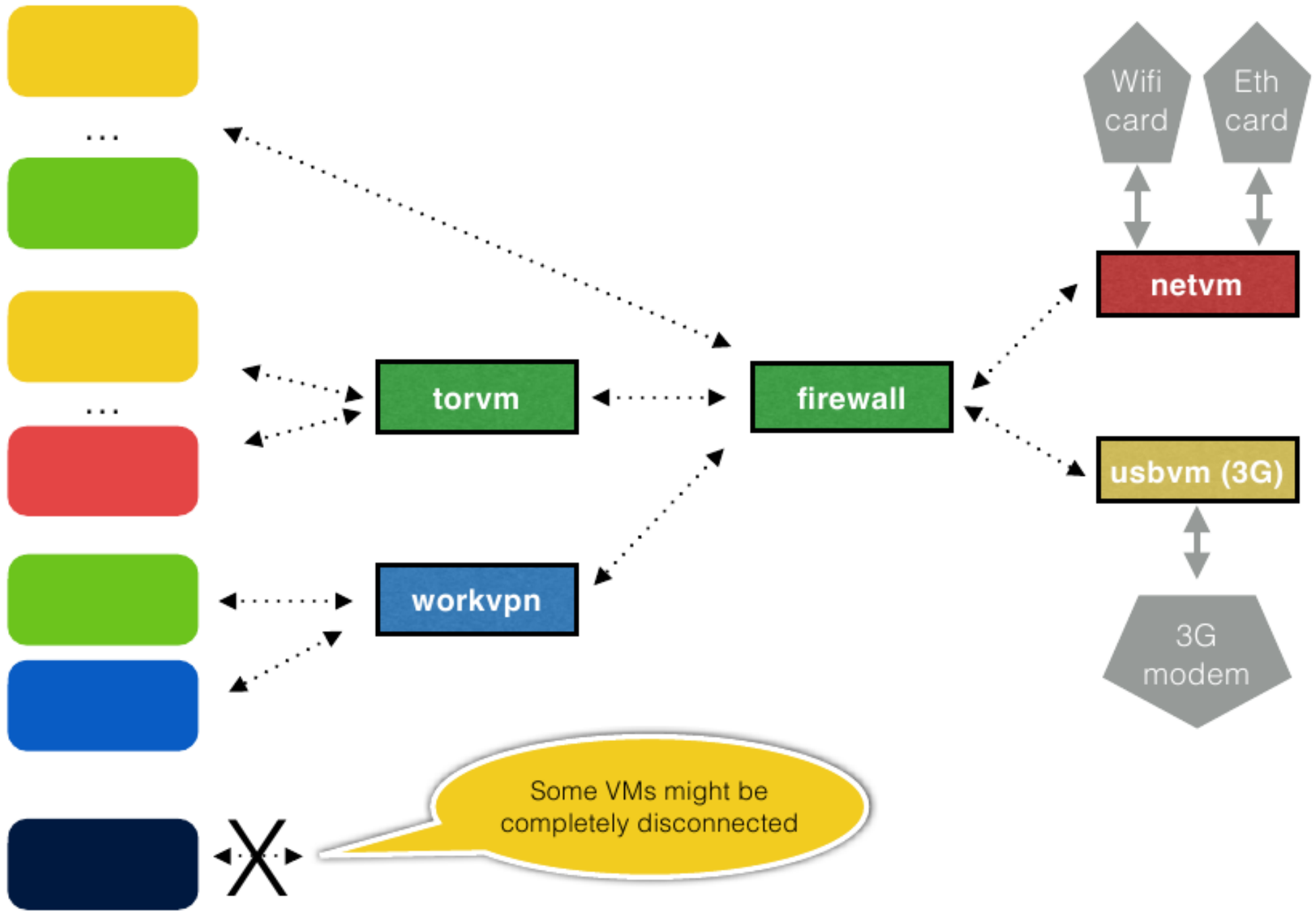
- **Net:** WIFI, ethernet
- **App:** gebruikt netwerk
- **Proxy:** firewall, VPN, tor

# Netwerken









# Nadelen

- Specifieke systeemeisen  
(<https://www.qubes-os.org/hcl>)
- Geen multi-user systeem
- Langzamer

# Systemeisen

- 64-bit Intel processor
  - 4GB RAM
  - 32GB HDD
  - Intel VT-x with EPT or AMD-V with RVI
  - Intel VT-d or AMD-Vi
- (Aanbevolen: snelle SSD, meer RAM)