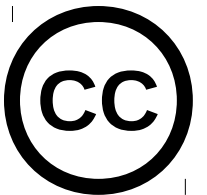


QubesOS

Un sistema operativo
“ragionevolmente sicuro”

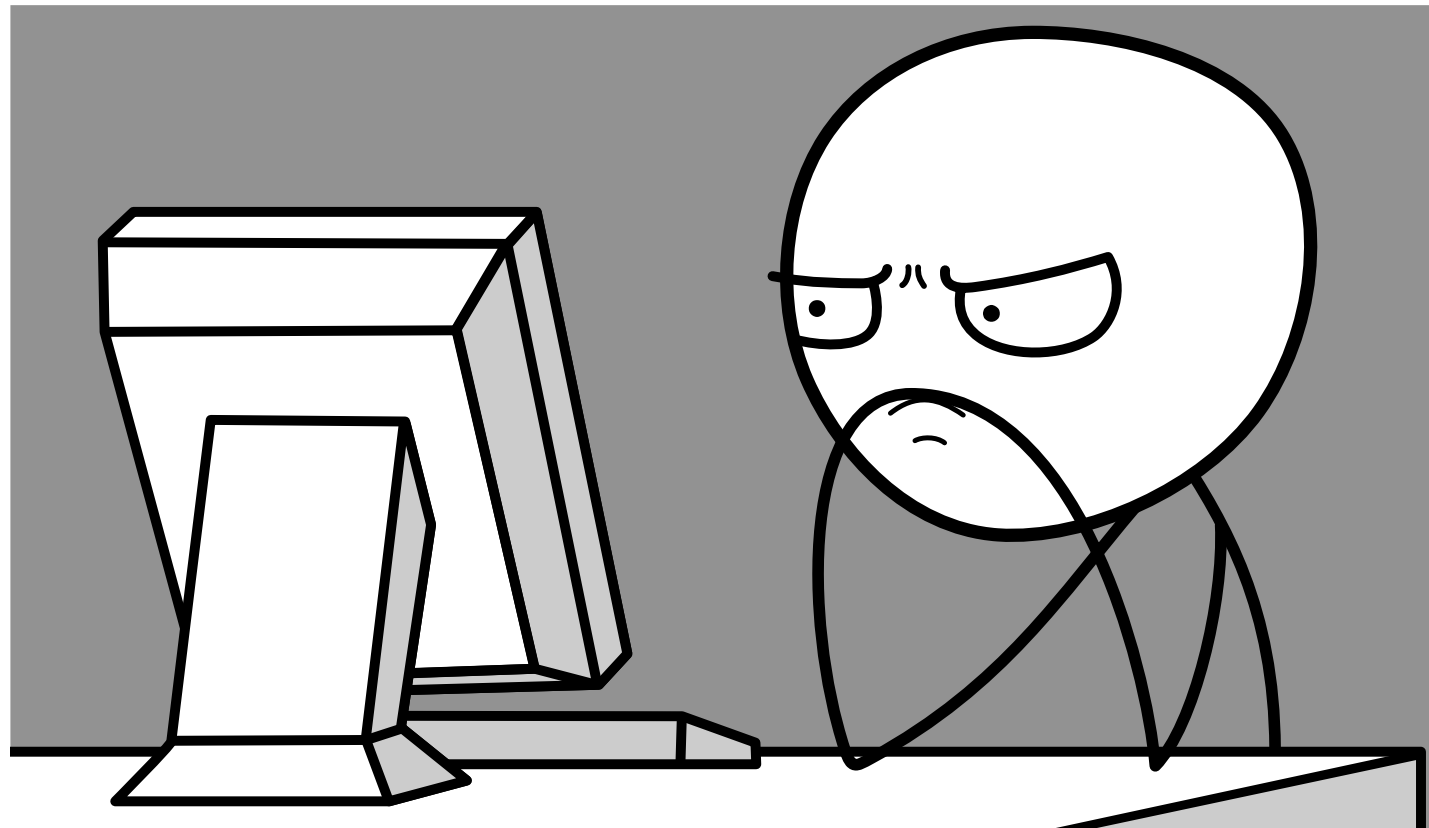
v1.0 di ED

Tradate Linux Day 2017



Relatore

- Ex tecnico, sistemista, programmatore
- Consulente di sicurezza informatica dal 2012
- Utente QubesOS

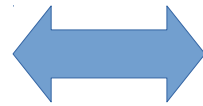


Presentazione

- 1) Perché un sistema operativo sicuro?
- 2) Struttura di QubesOS
- 3) Dimostrazione
- 4) Vantaggi e svantaggi

Introduzione

Sistema Operativo



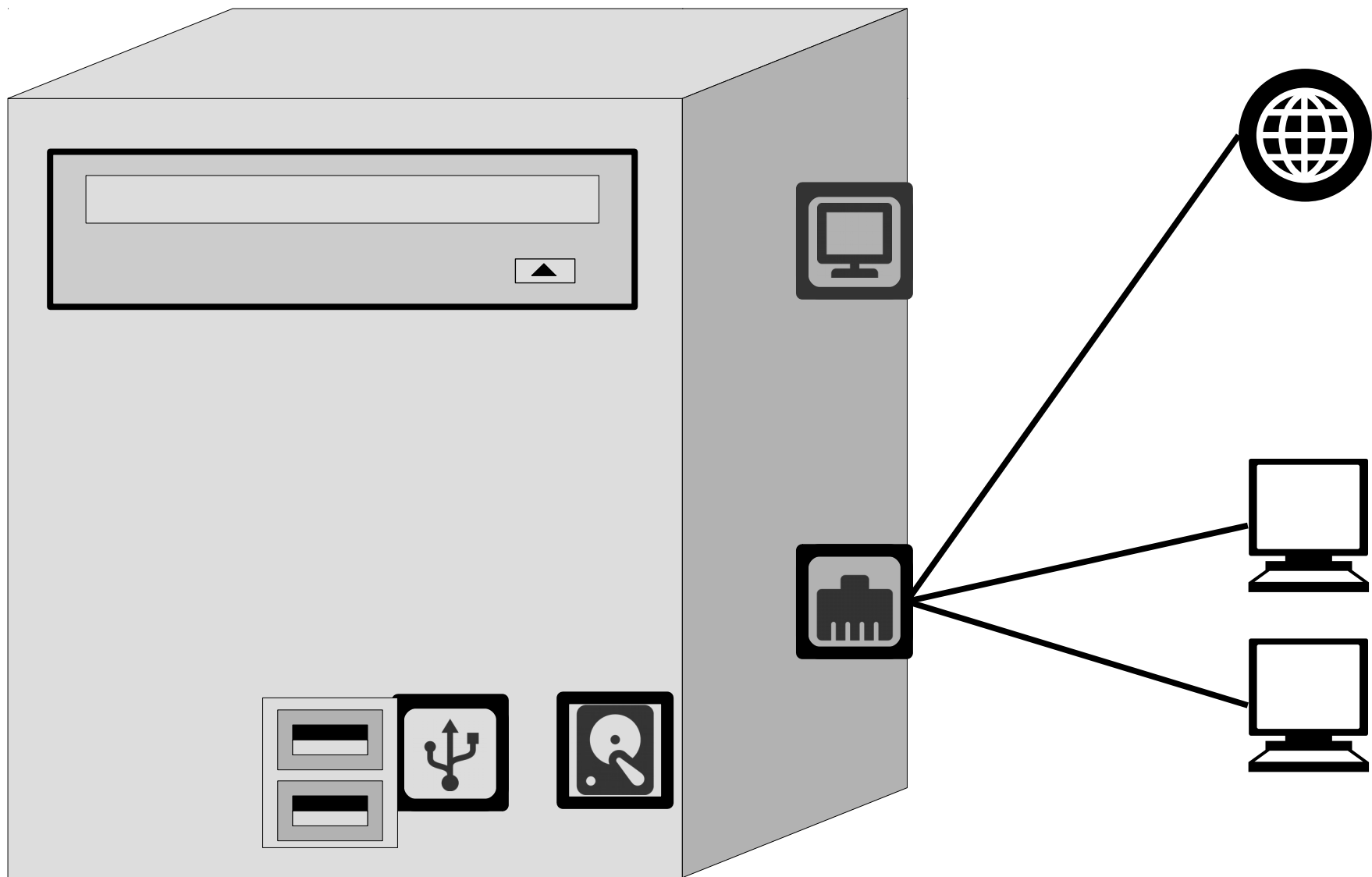
Applicazioni
(Firefox, Libreoffice ecc.)

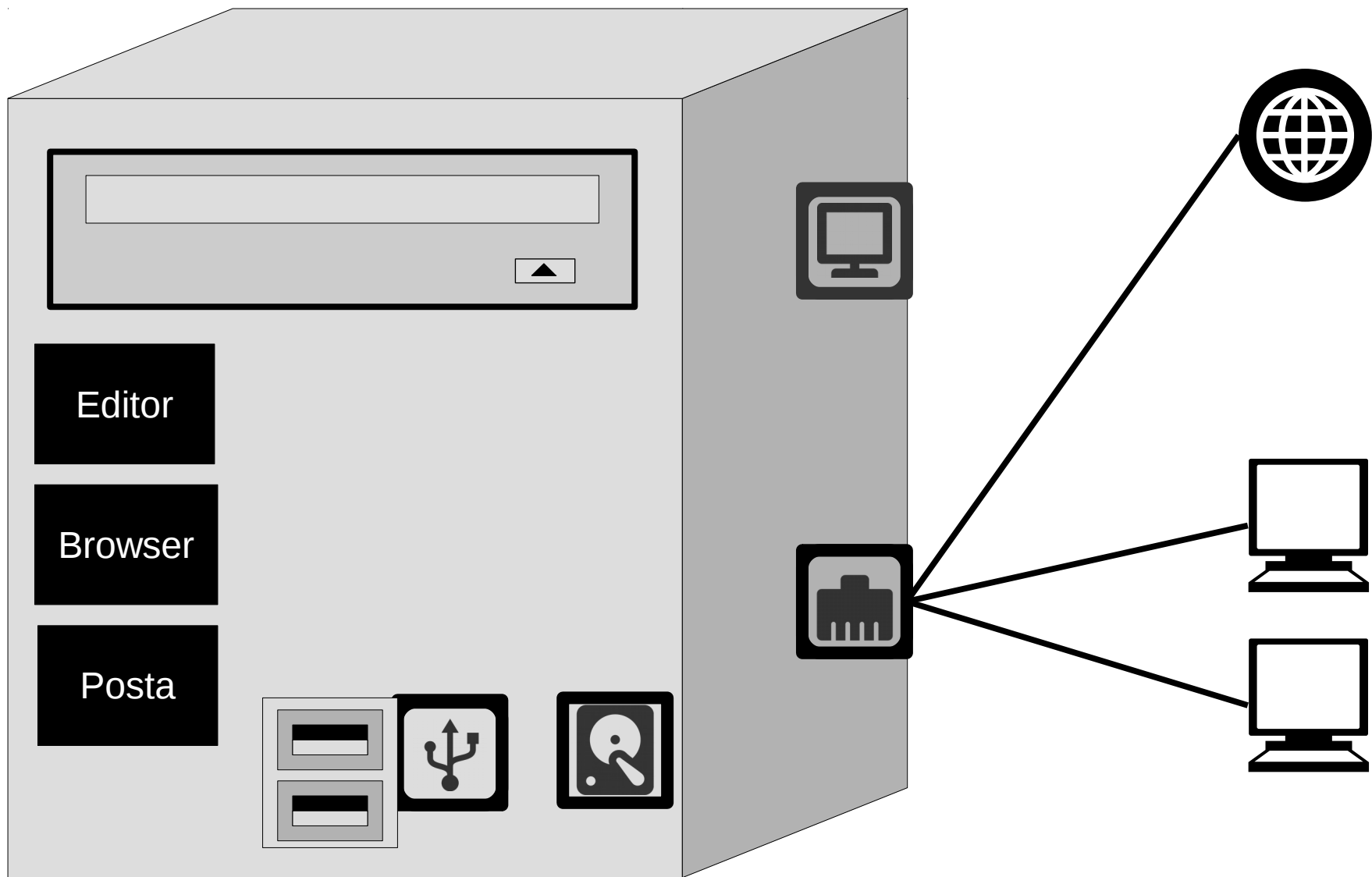


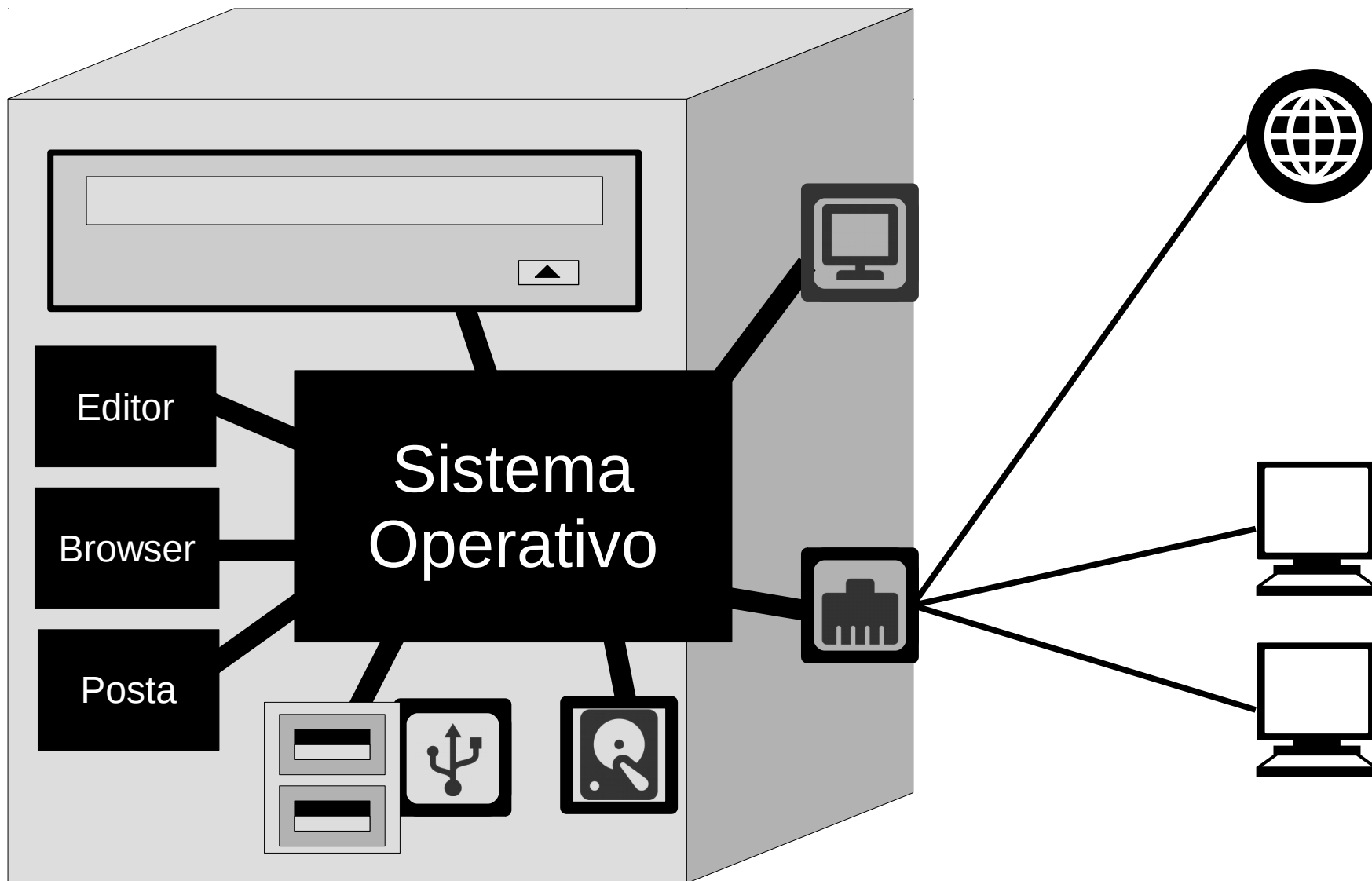
Sistema Operativo

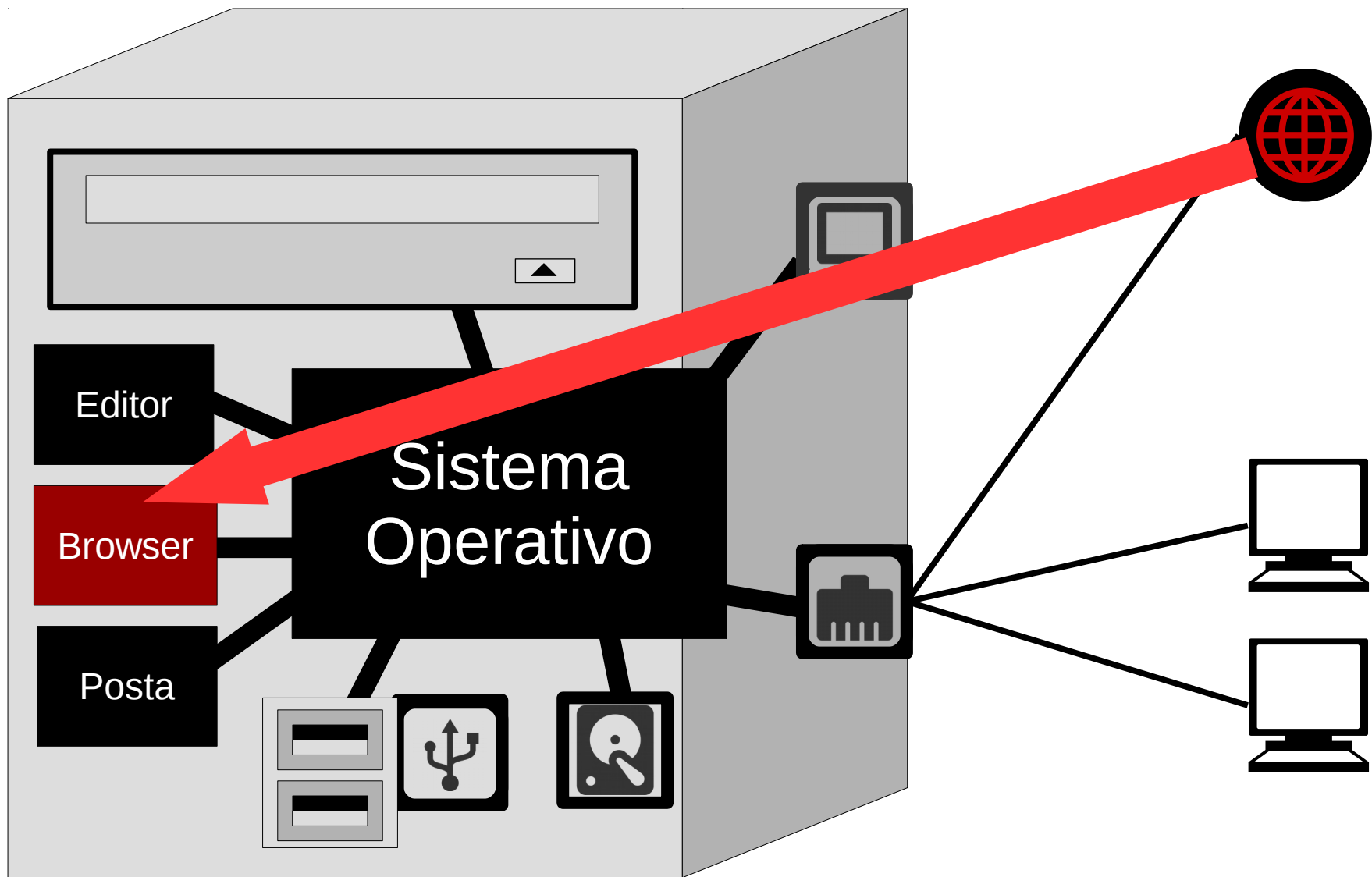


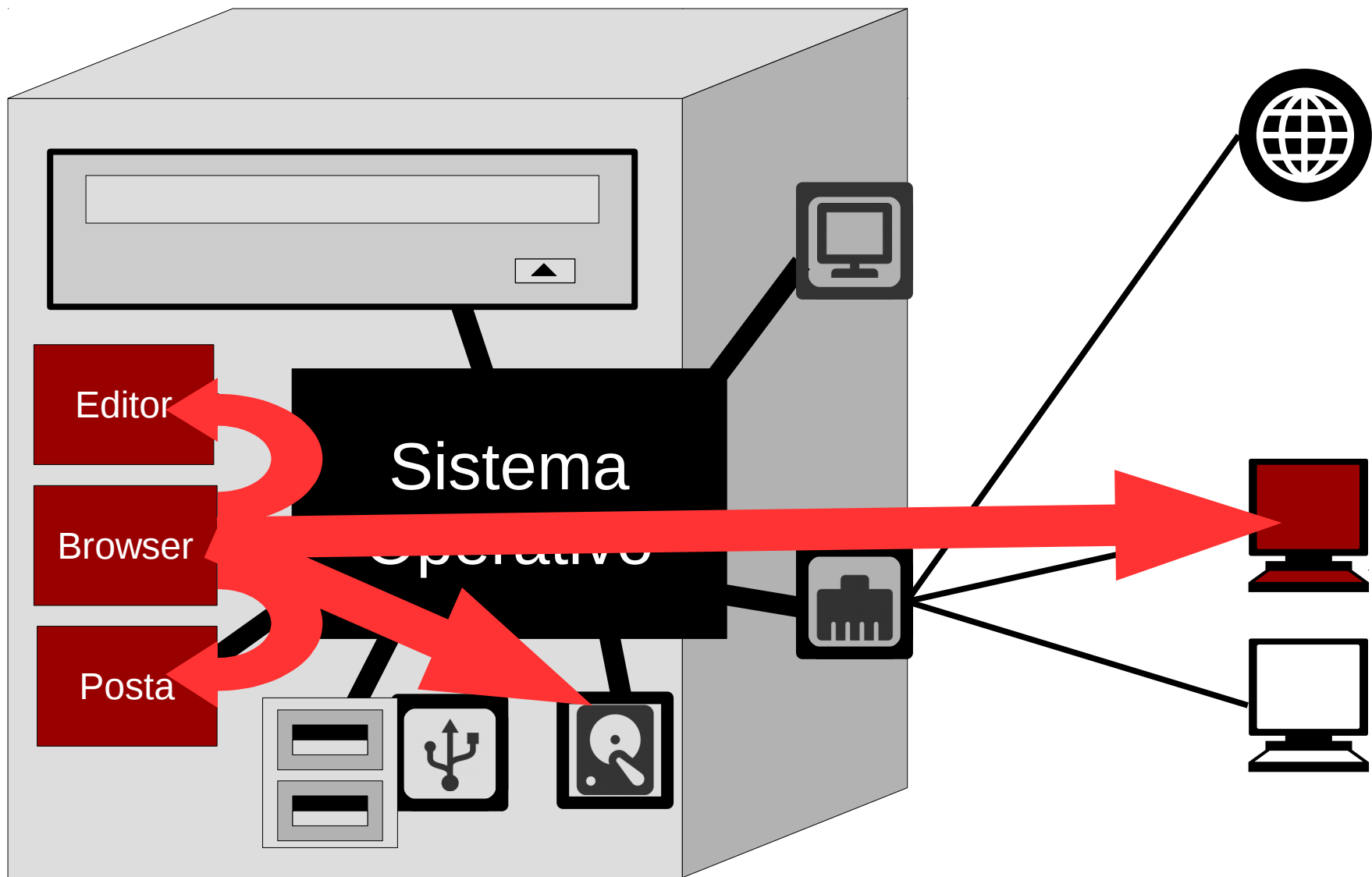
Hardware
(Disco, memoria, rete ecc.)

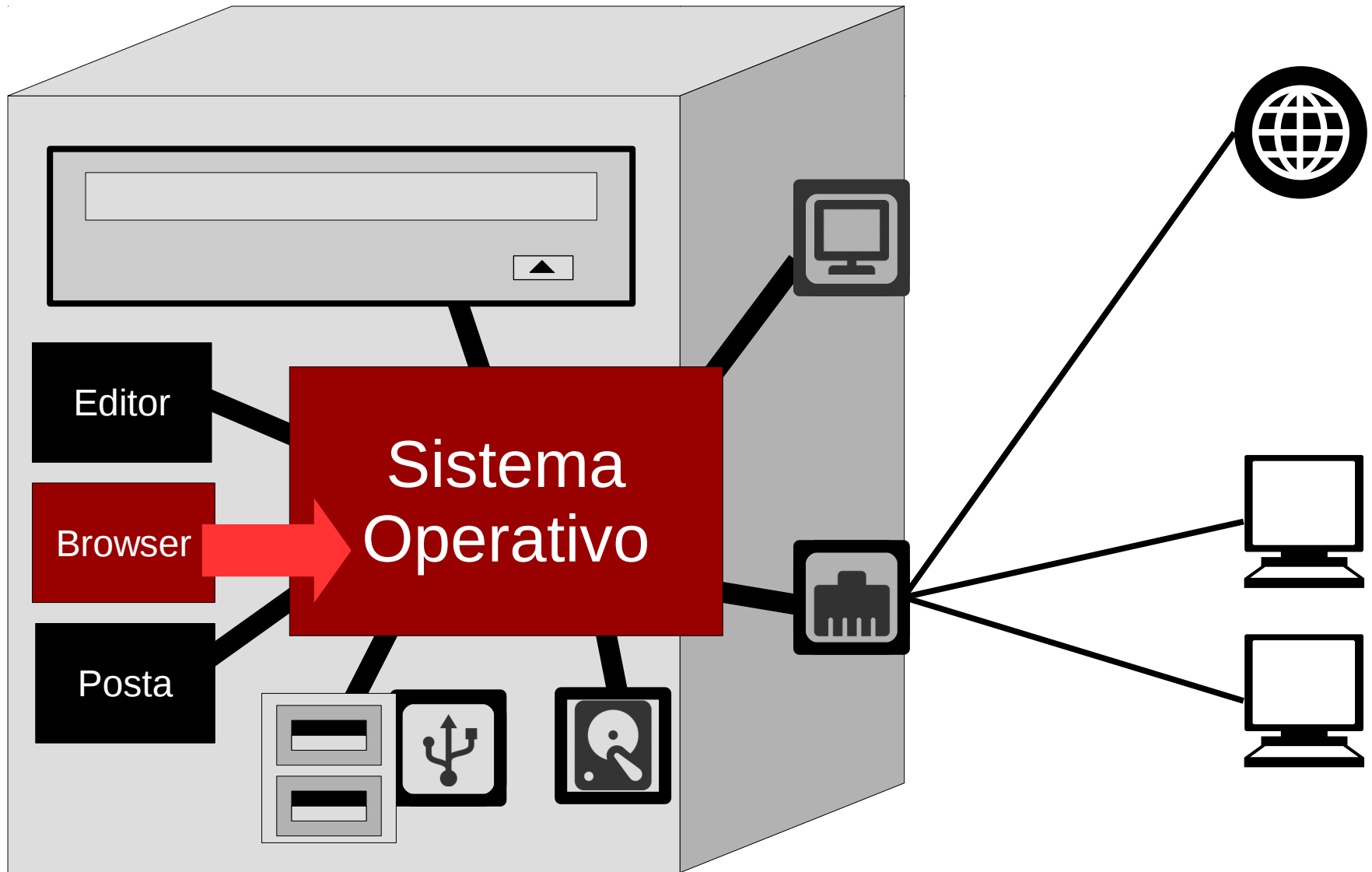


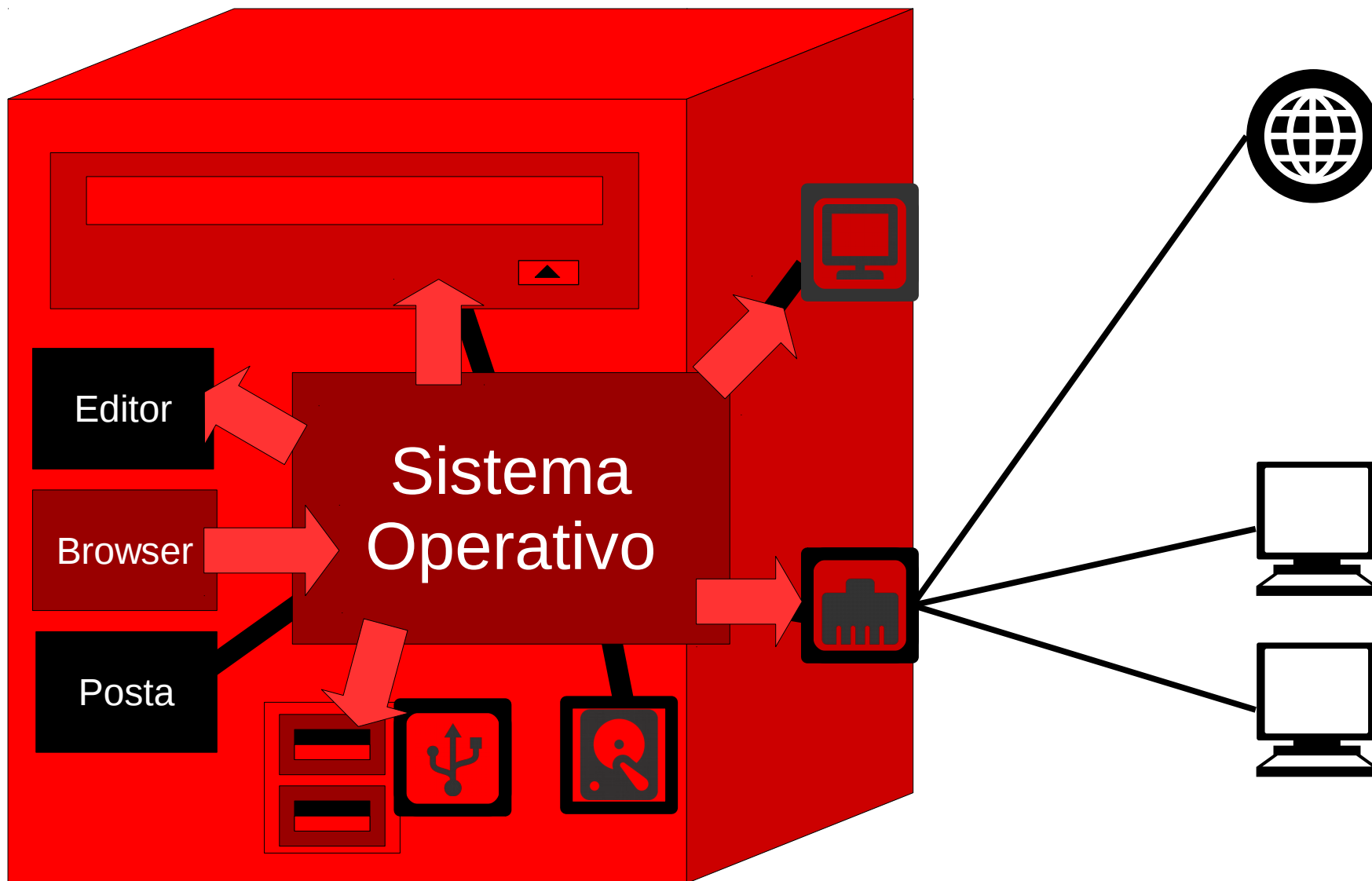


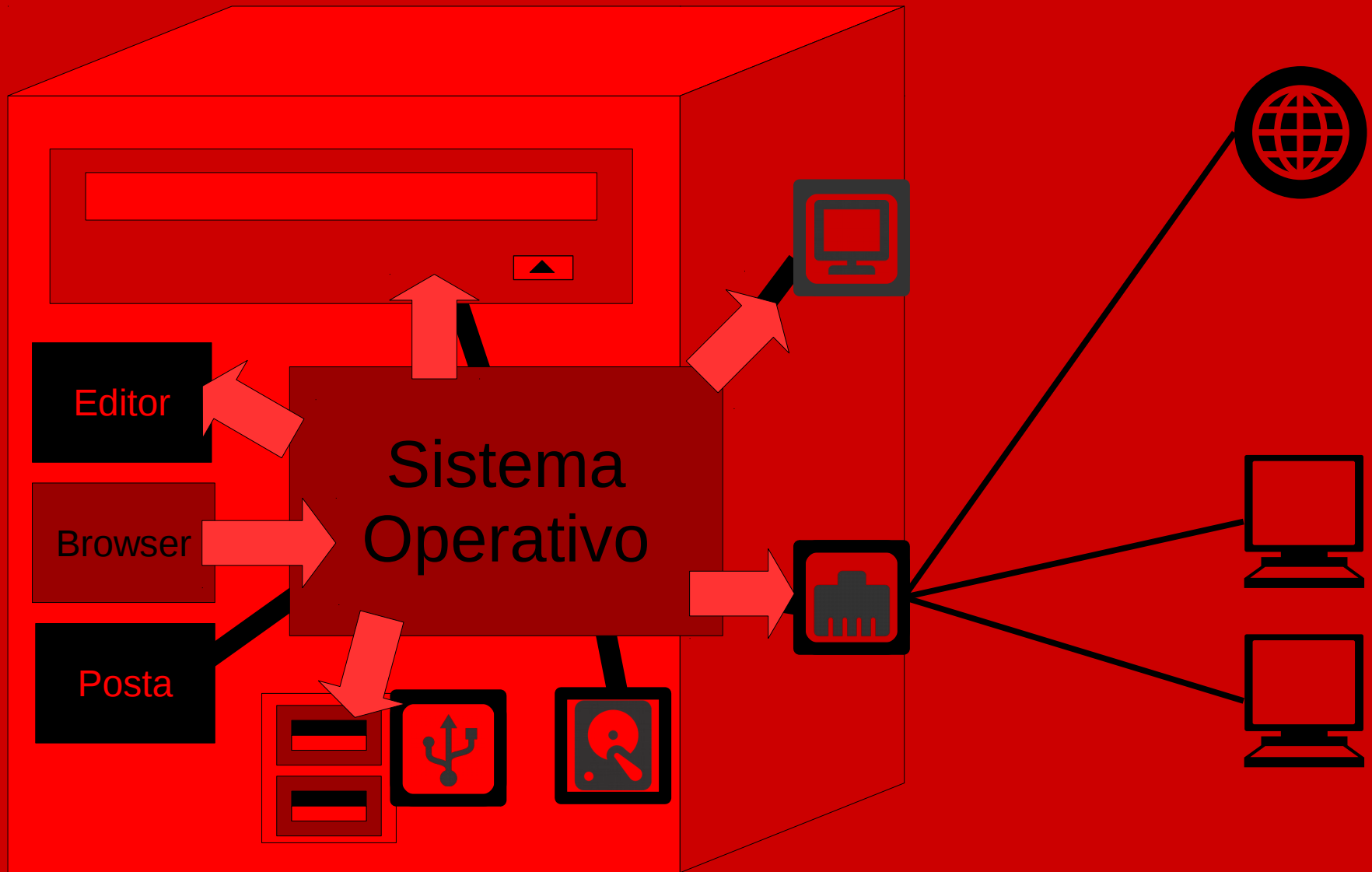


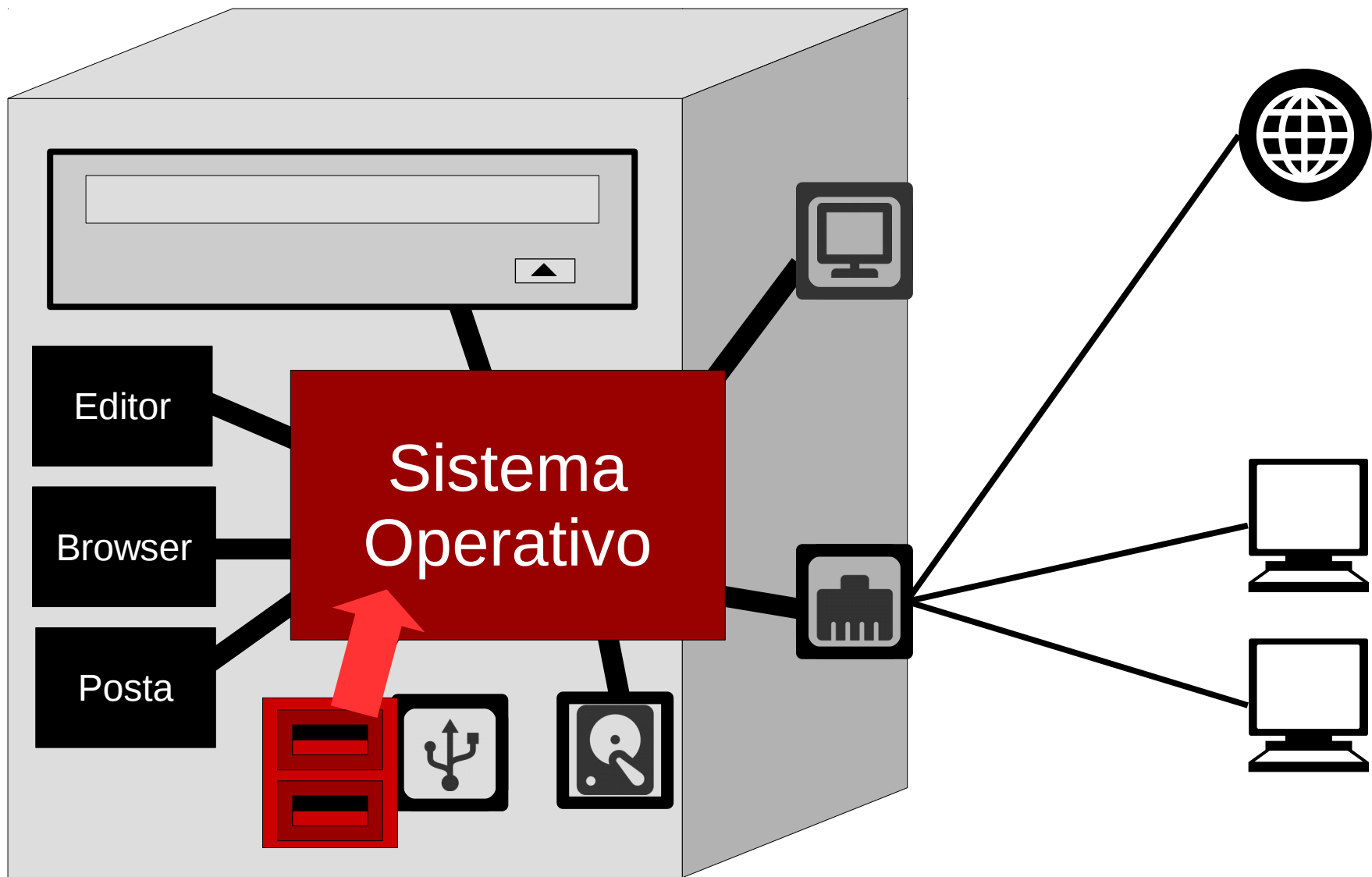












Sicurezza

1) Prevenzione

-
-
-

2) Monitoraggio

3) Risposta

Sicurezza

1) Prevenzione

- Correttezza
- Segretezza
- Segregazione

2) Monitoraggio

3) Risposta

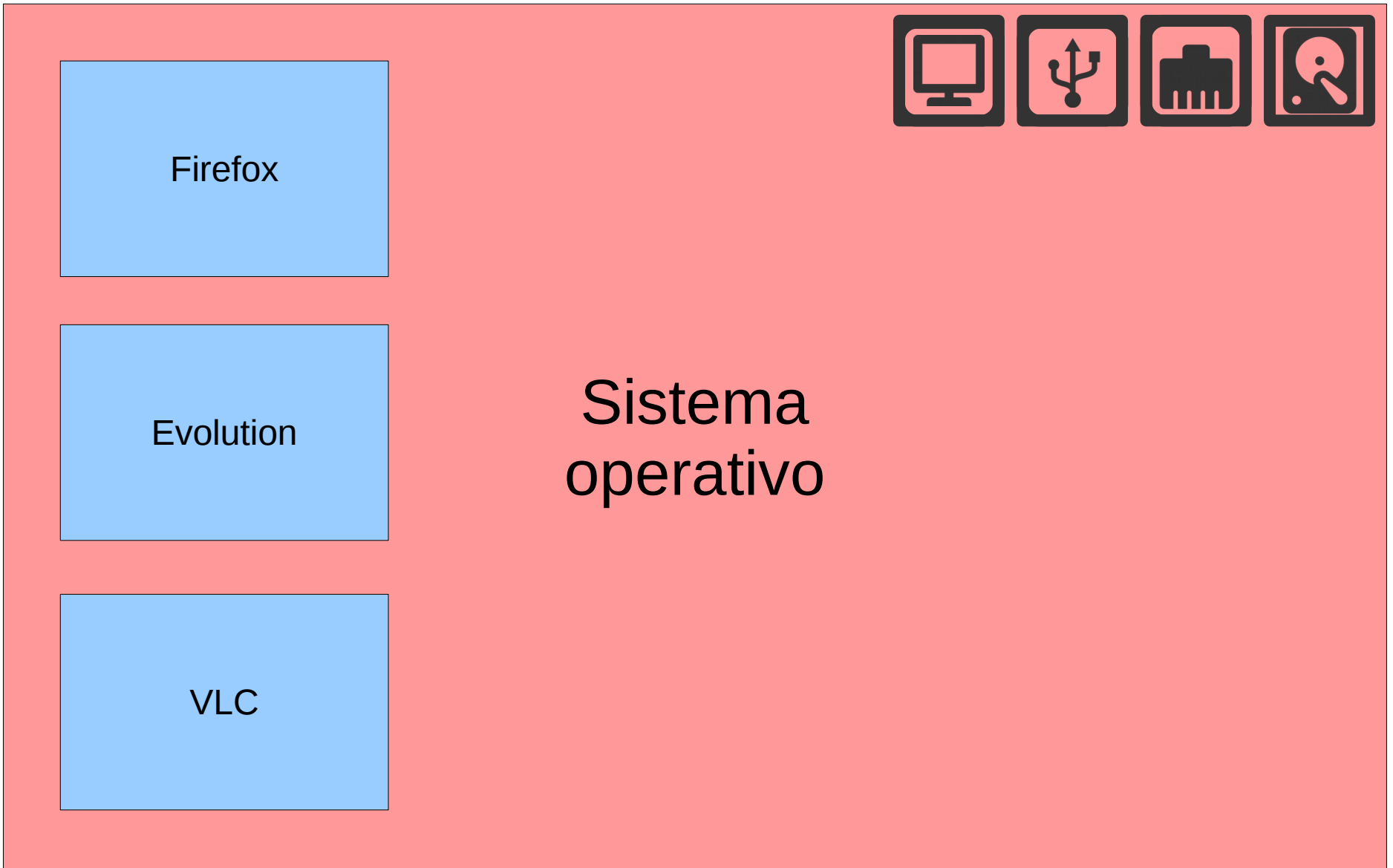
Virtual machine

“Software che emula il comportamento di una macchina fisica”

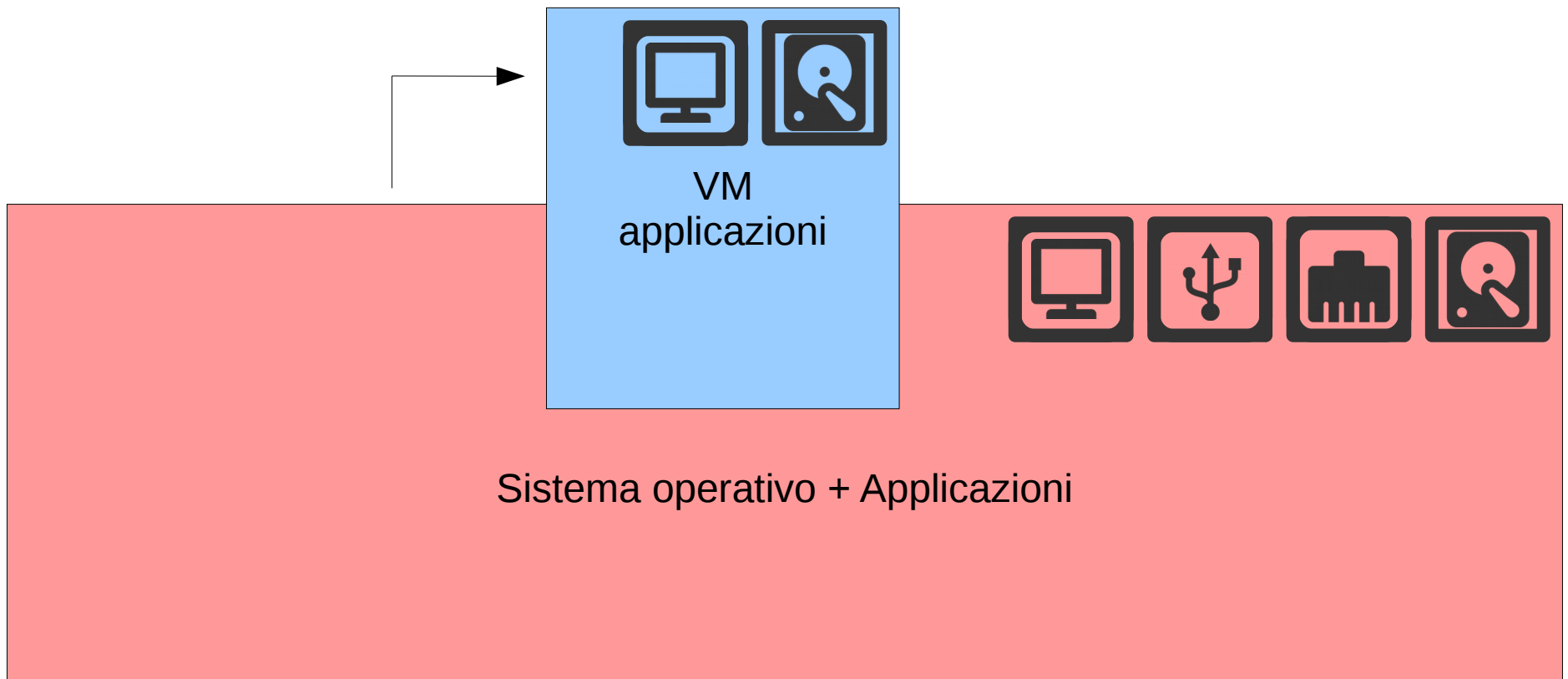


Struttura di QubesOS

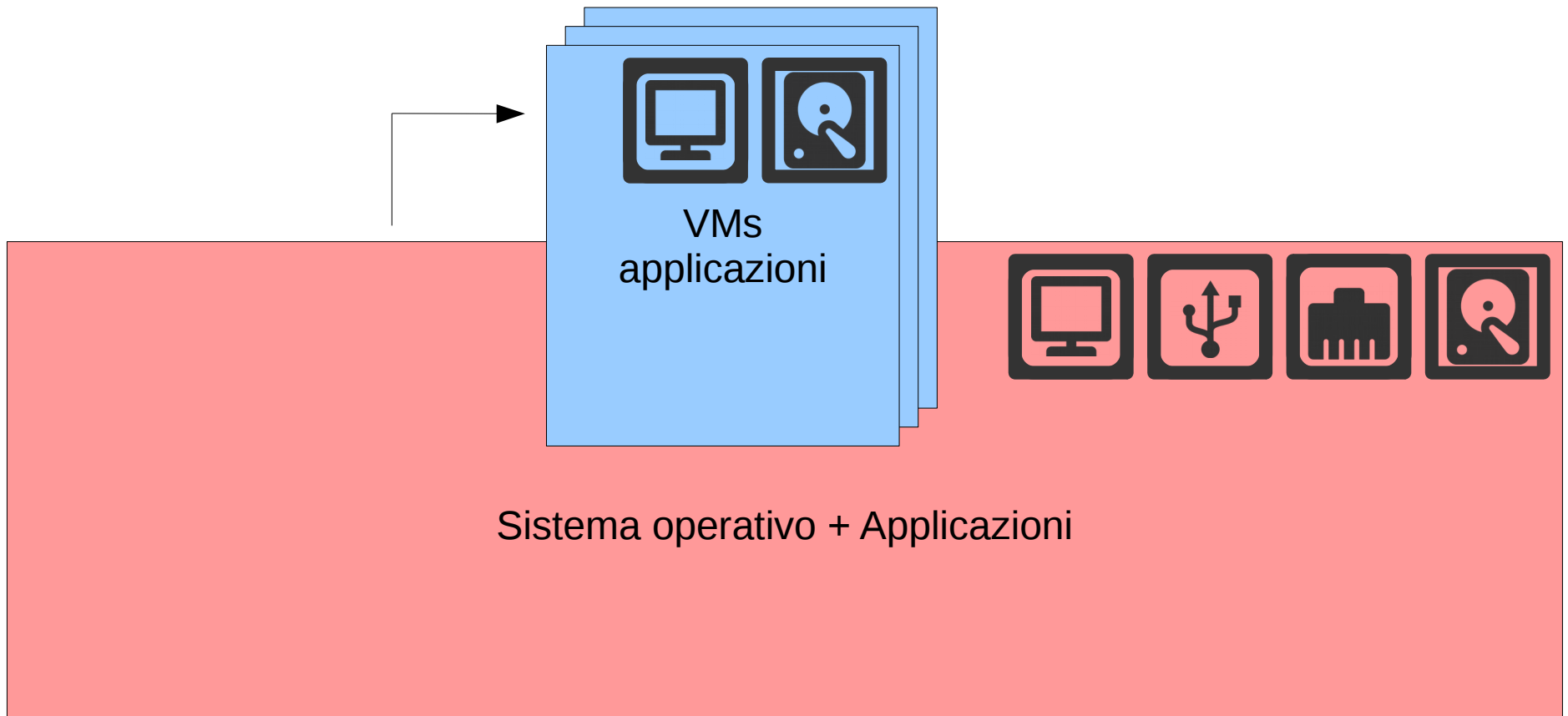
Computer



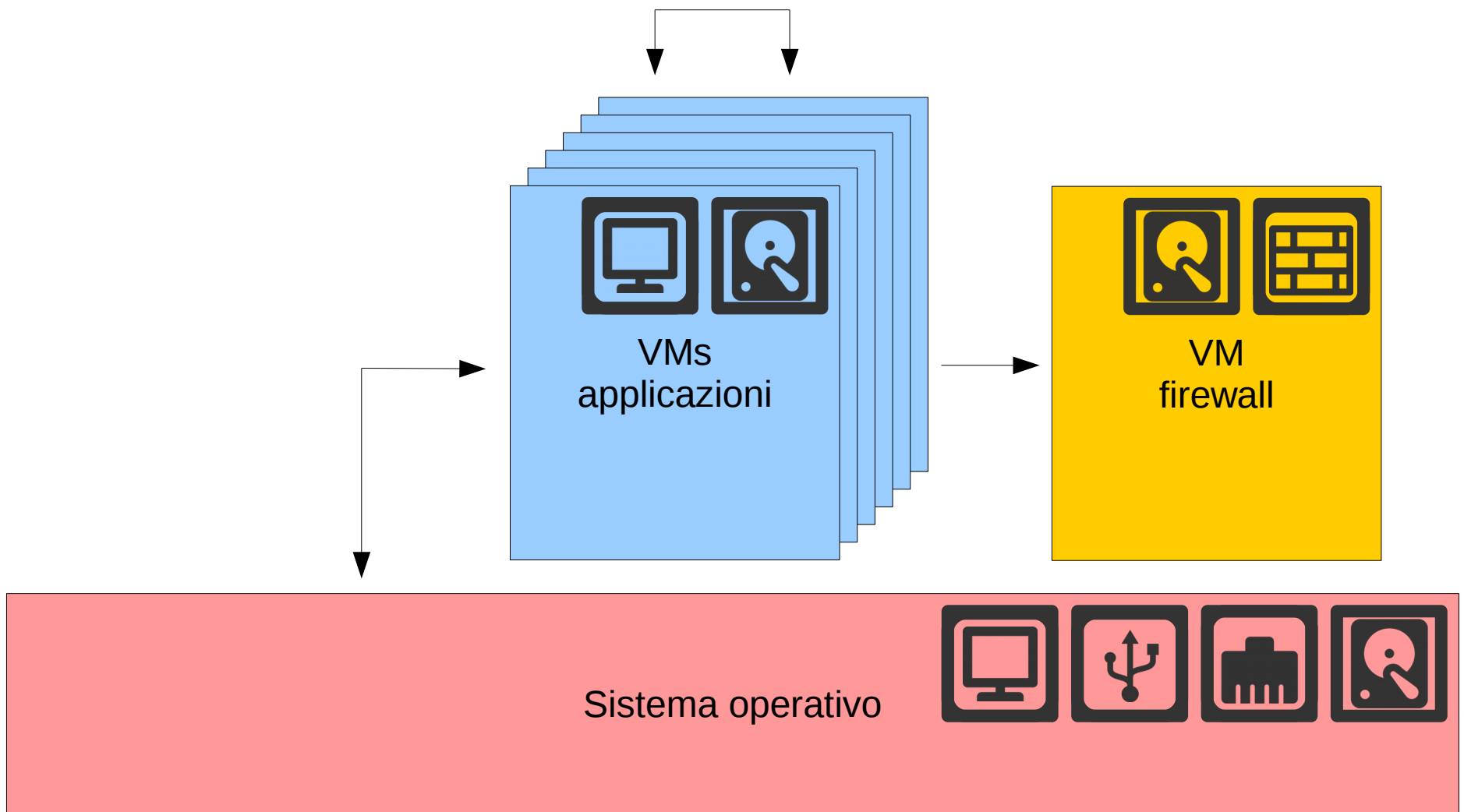
Computer + VM



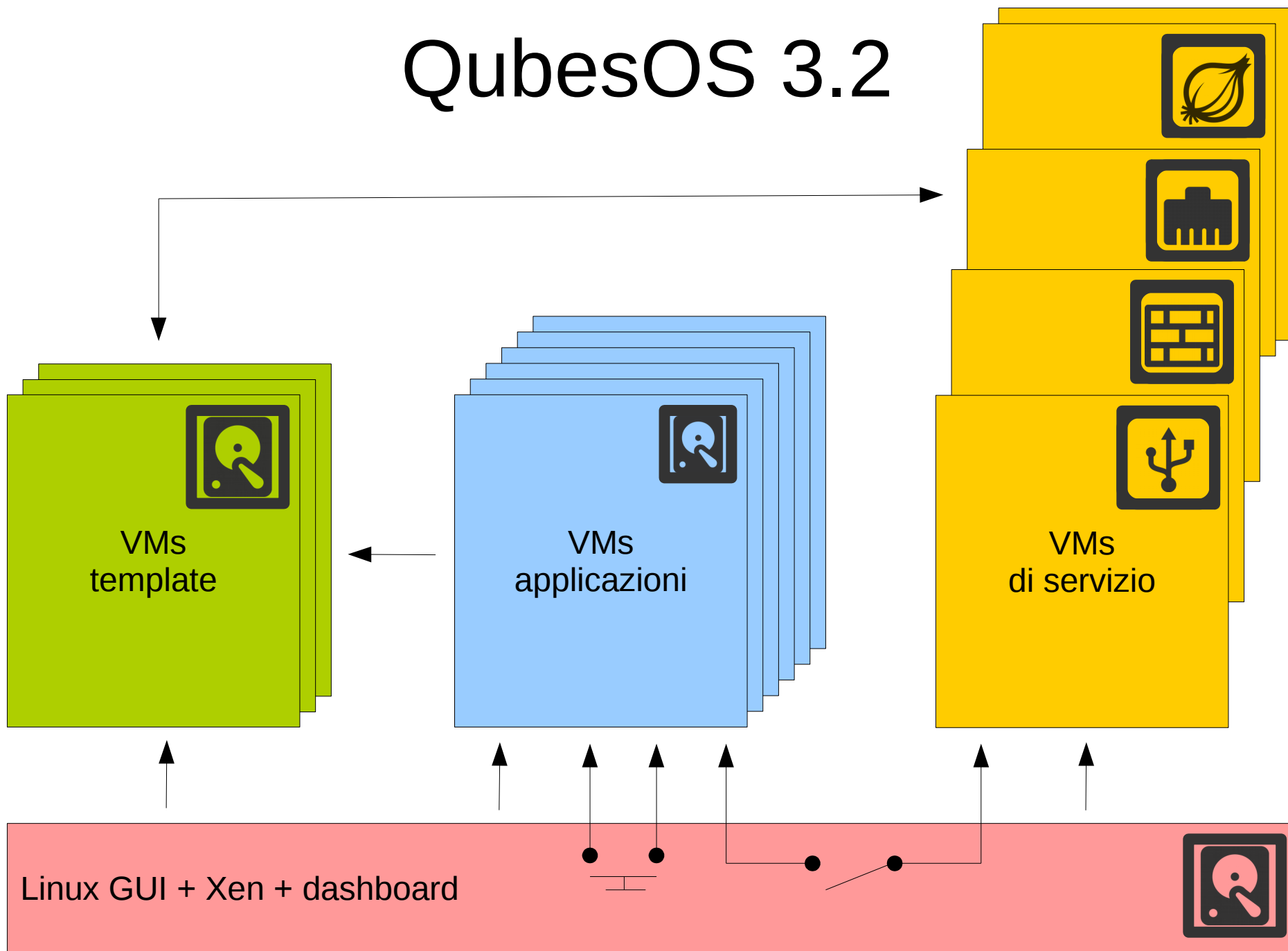
Computer + VMs



Computer + VMs + plugin

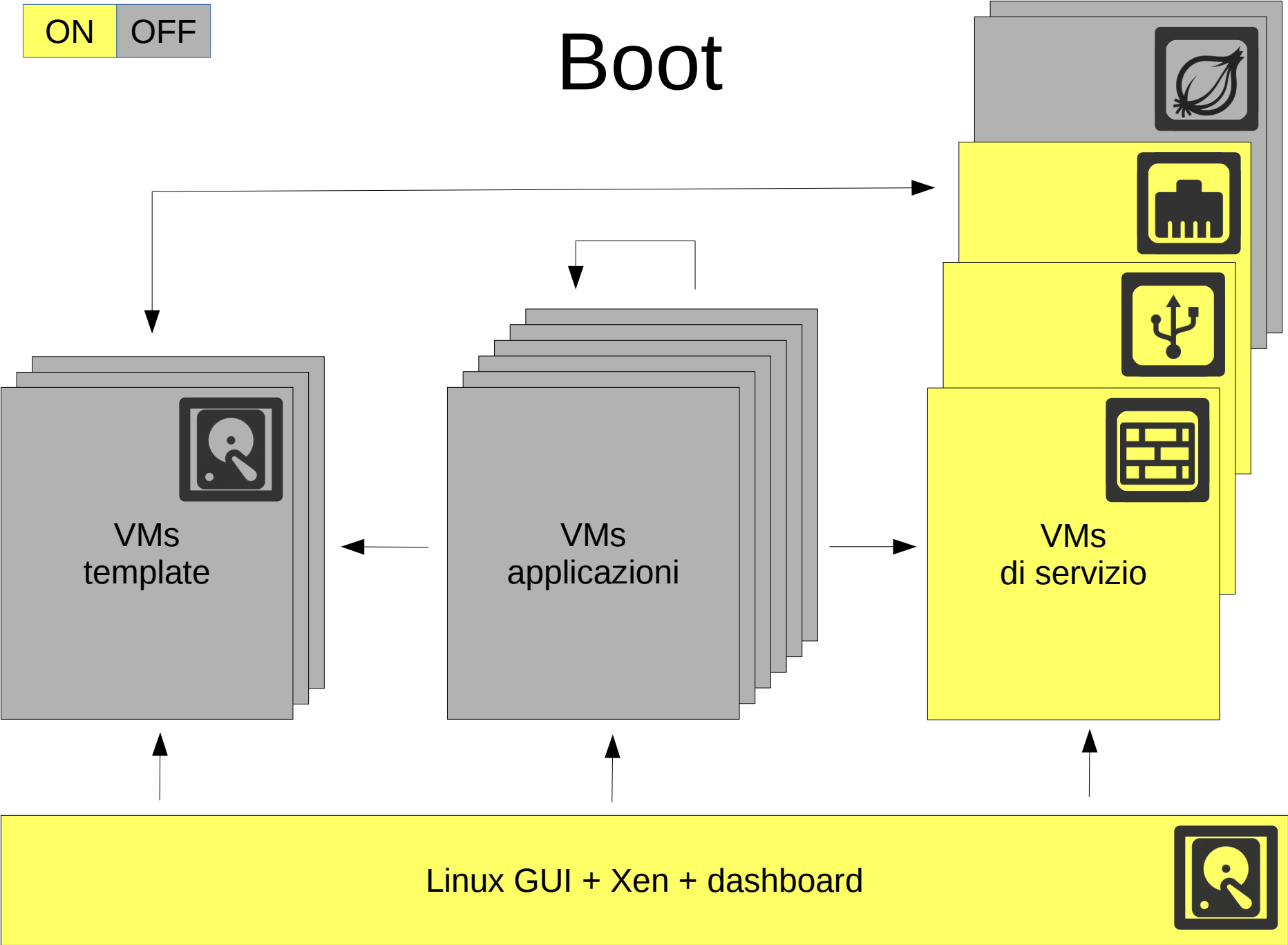


QubesOS 3.2



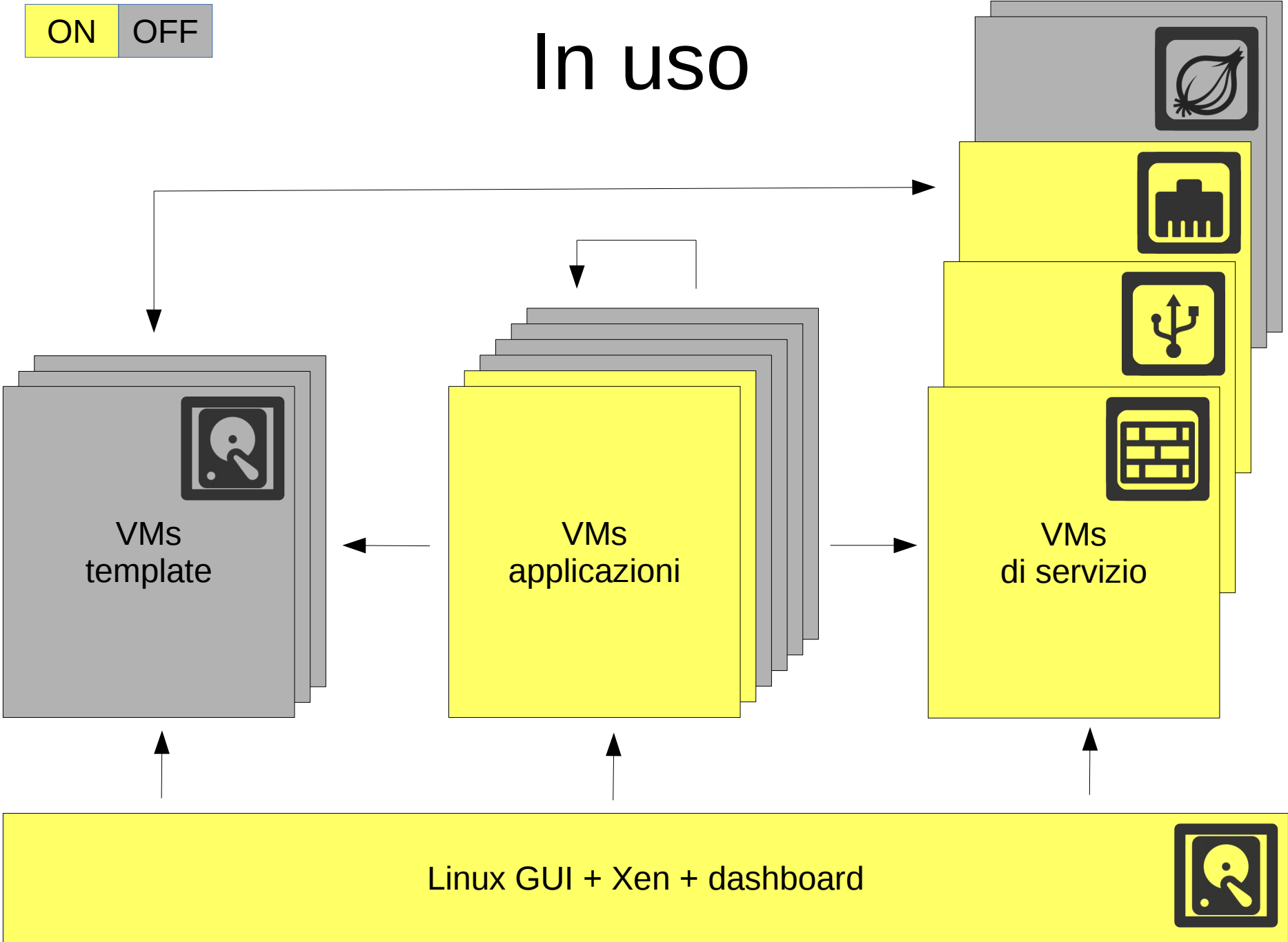
ON OFF

Boot



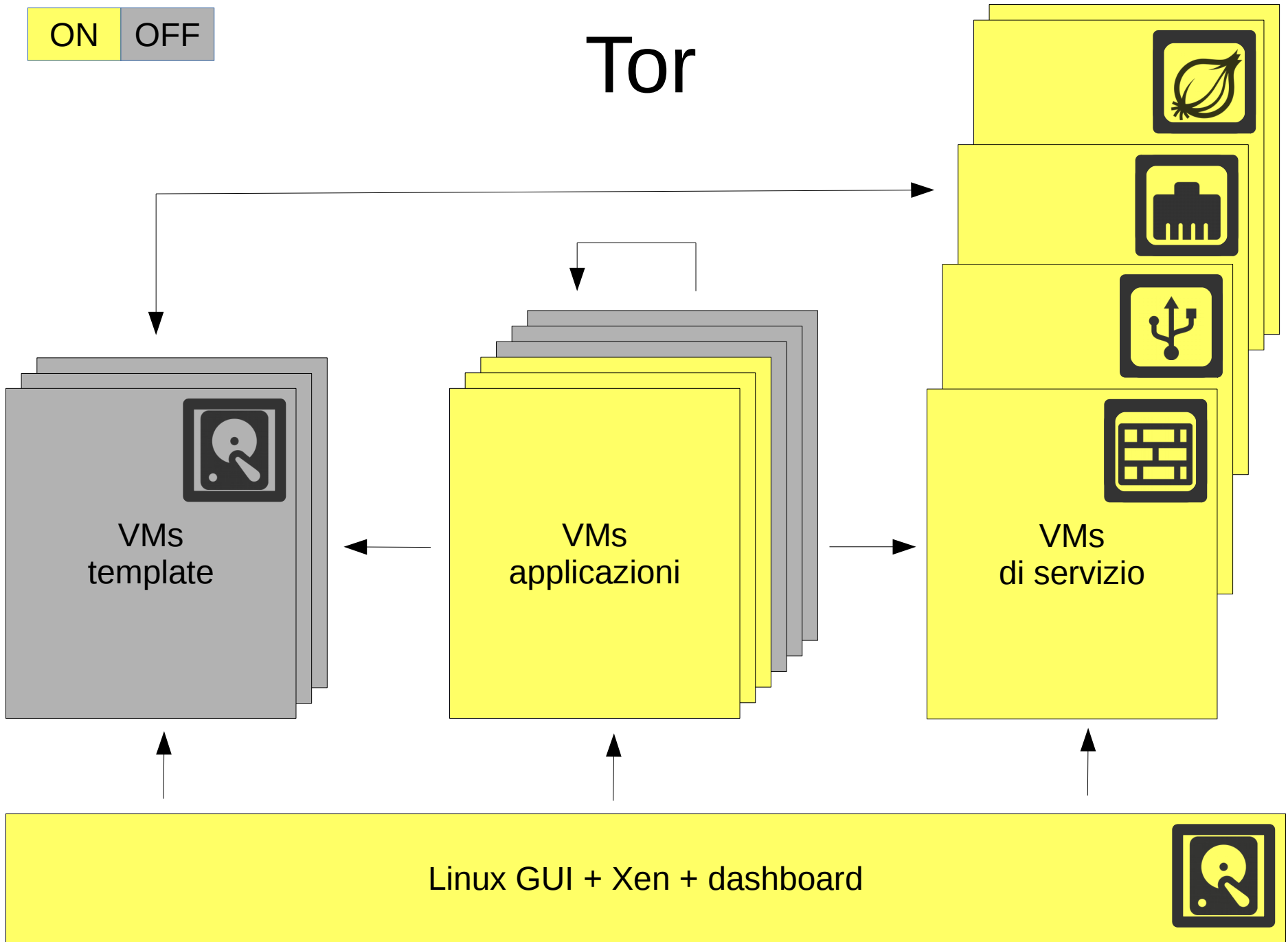
ON OFF

In uso



ON OFF

Tor



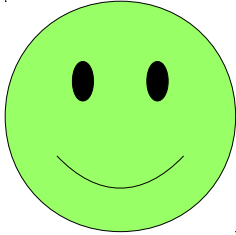
Dimostrazione!

Cosa c'è dietro

- **Host**
 - Hypervisor
 - Dashboard
 - Snapshot
- **VM**
 - Agent
 - Plugin

La sicurezza si paga

Pro / contro

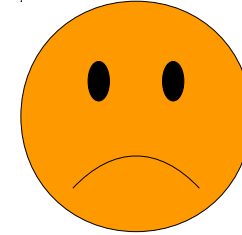


Sicurezza

Documentazione

Installazione

Diffuso

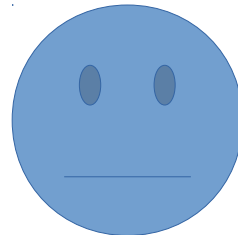


Prestazioni

Singolo utente

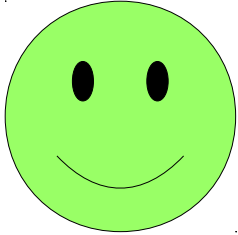
No OpenGL

Bug UI



“Ragionevolmente”
semplice e pratico

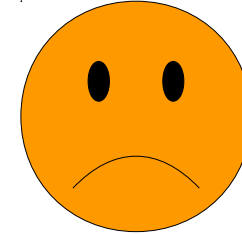
Lo uso?



Ufficio

Comunicazione

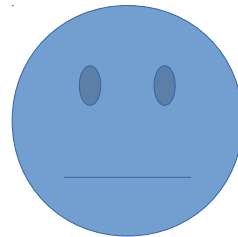
Navigazione base



Multiutenze

Videogiochi

Nonno Gino



Multimedia

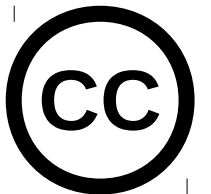
Calcoli

QubesOS 4.0

(TODO)

www.QubesOS.org

t6@edlabs.it



QubesOS 3.2

