



# Installation Openshift mode UPI - Bare-metal

Martin Ouimet  
Architecte de solutions infonuagiques



Qu'est-ce qu'un système  
d'exploitation **immuable** ?

Et pourquoi est-ce **important** ?



# Modes d'installation OpenShift

**UPI**

**User**

**Provisioned Infrastructure**

**L'utilisateur** configure la réseautique, le balancers de charge, l'adressage IP et les machines (physiques ou VM)

**IPI**

**Installer**

**Provisioned Infrastructure**

**L'installateur** configure la réseautique, le balancers de charge, l'adressage IP et les machines (physiques ou VM)



# Modes d'installation OpenShift

**UPI**

**U**ser

**P**rovisioned **I**nfrastructure



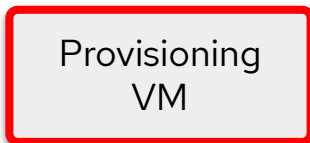
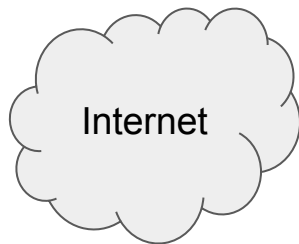
**IPI**

**I**nstaller

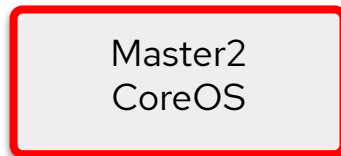
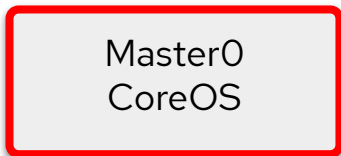
**P**rovisioned **I**nfrastructure



**UPI**  
**User**  
**Provisioned Infrastructure**



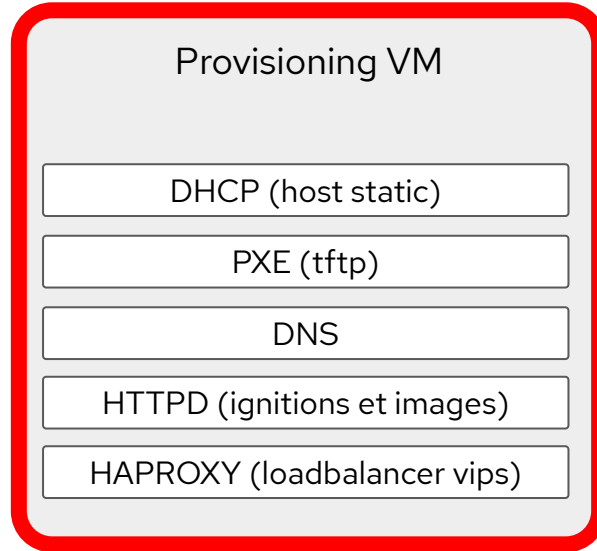
Openshift VLAN - 192.168.2.0/24



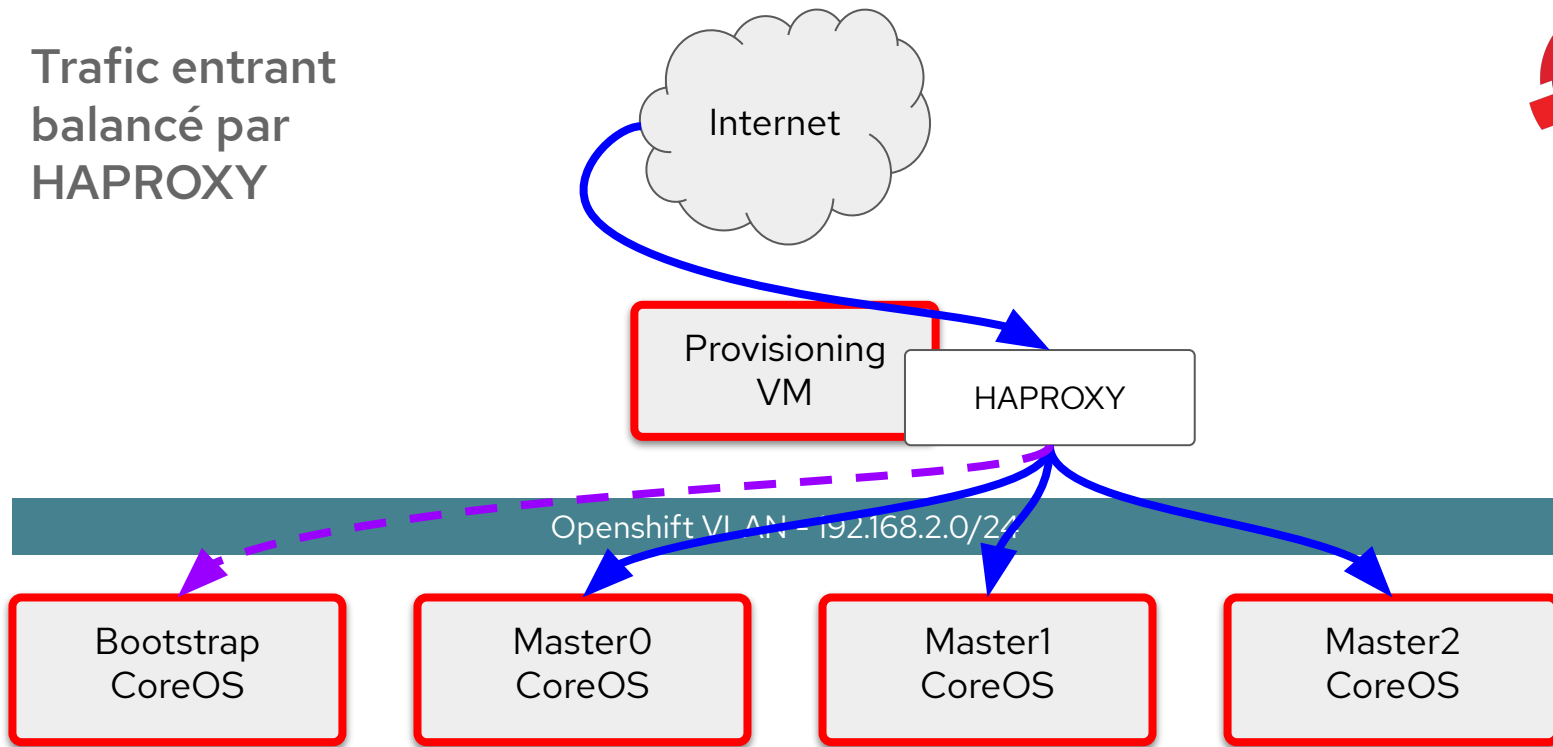


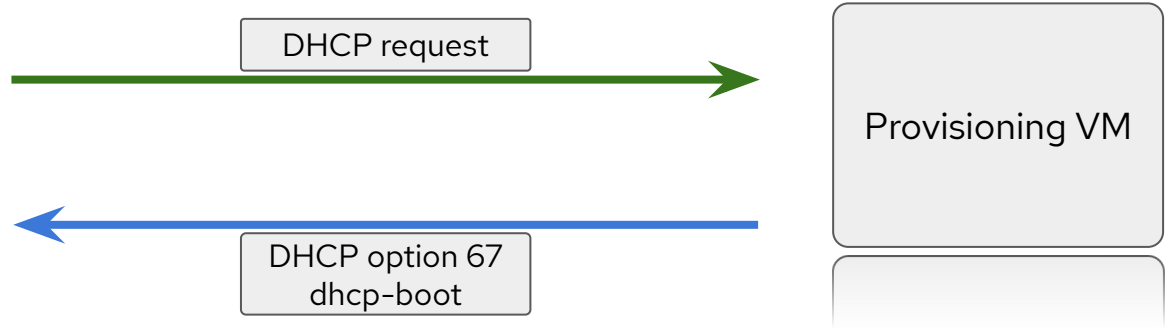
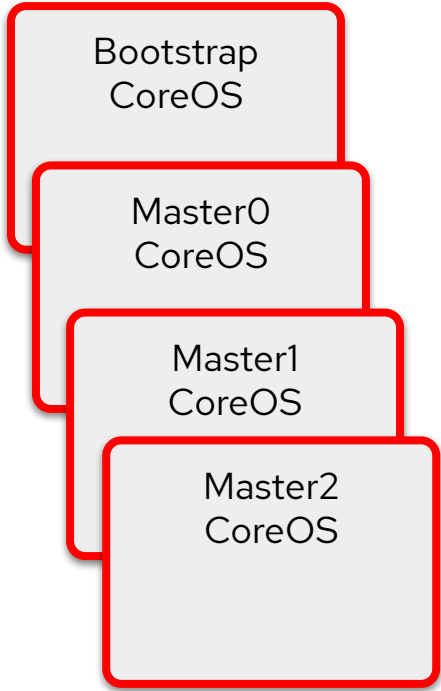
## Montage de laboratoire

En production nous utiliserons les composantes actuelles de votre infrastructure.

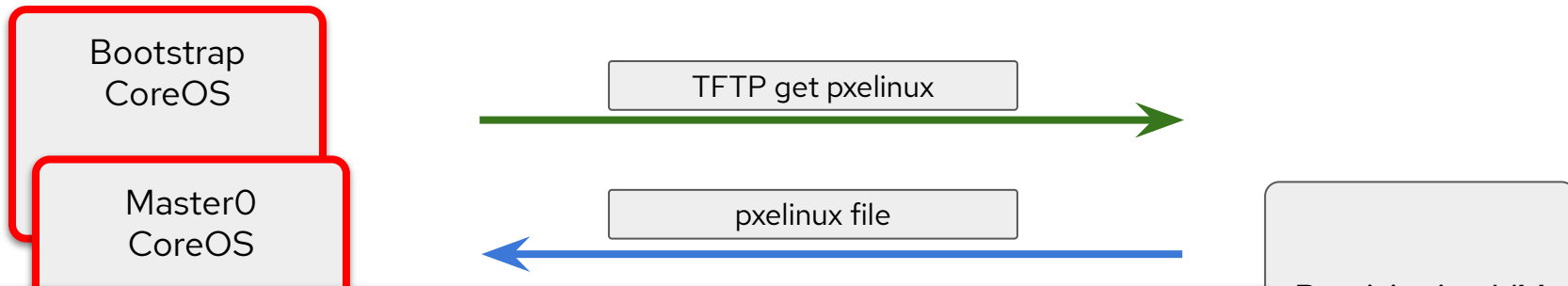


# Trafic entrant balancé par HAPROXY





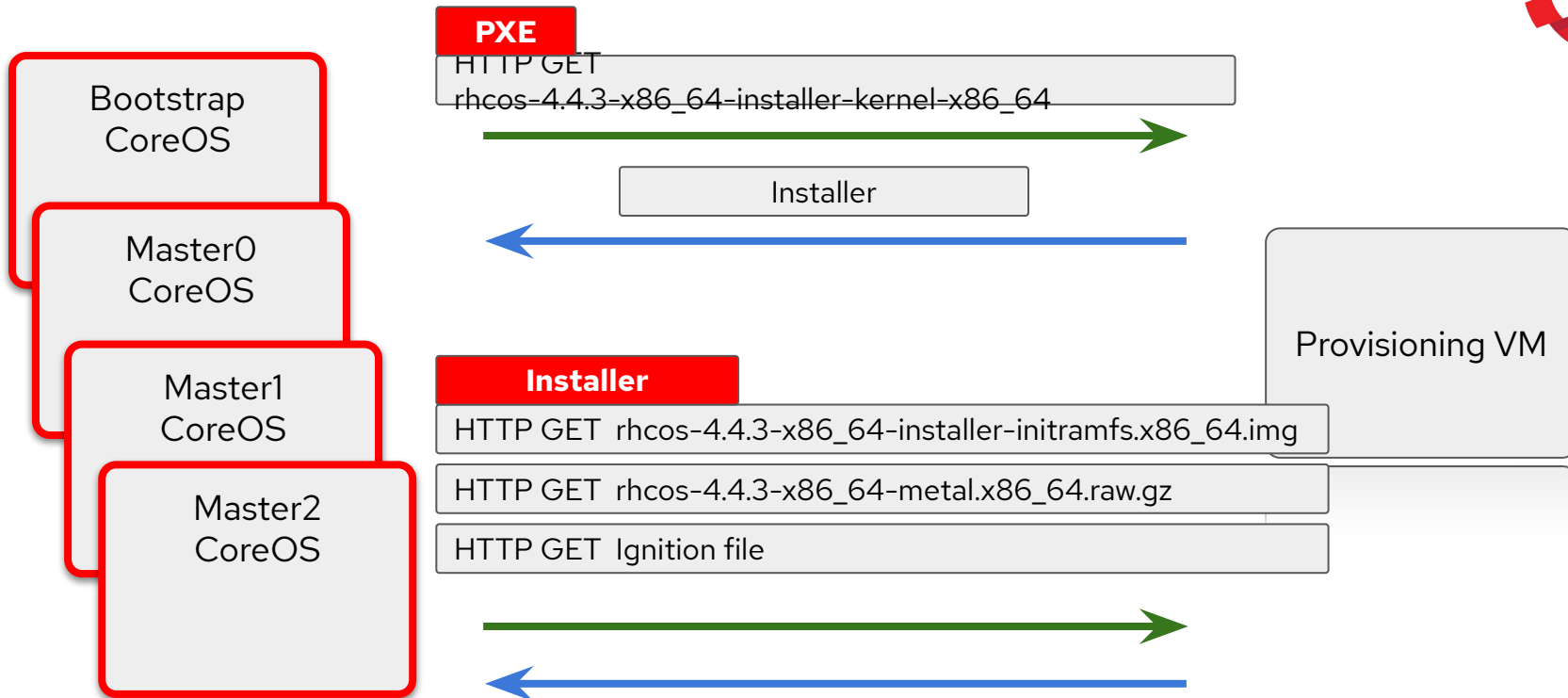


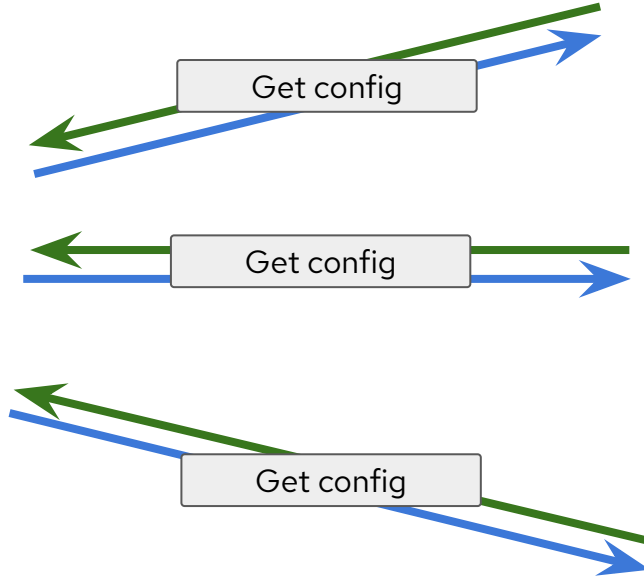
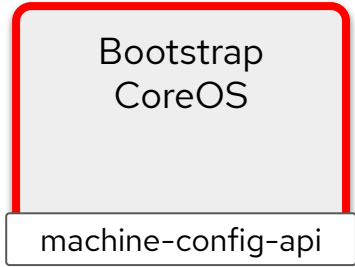


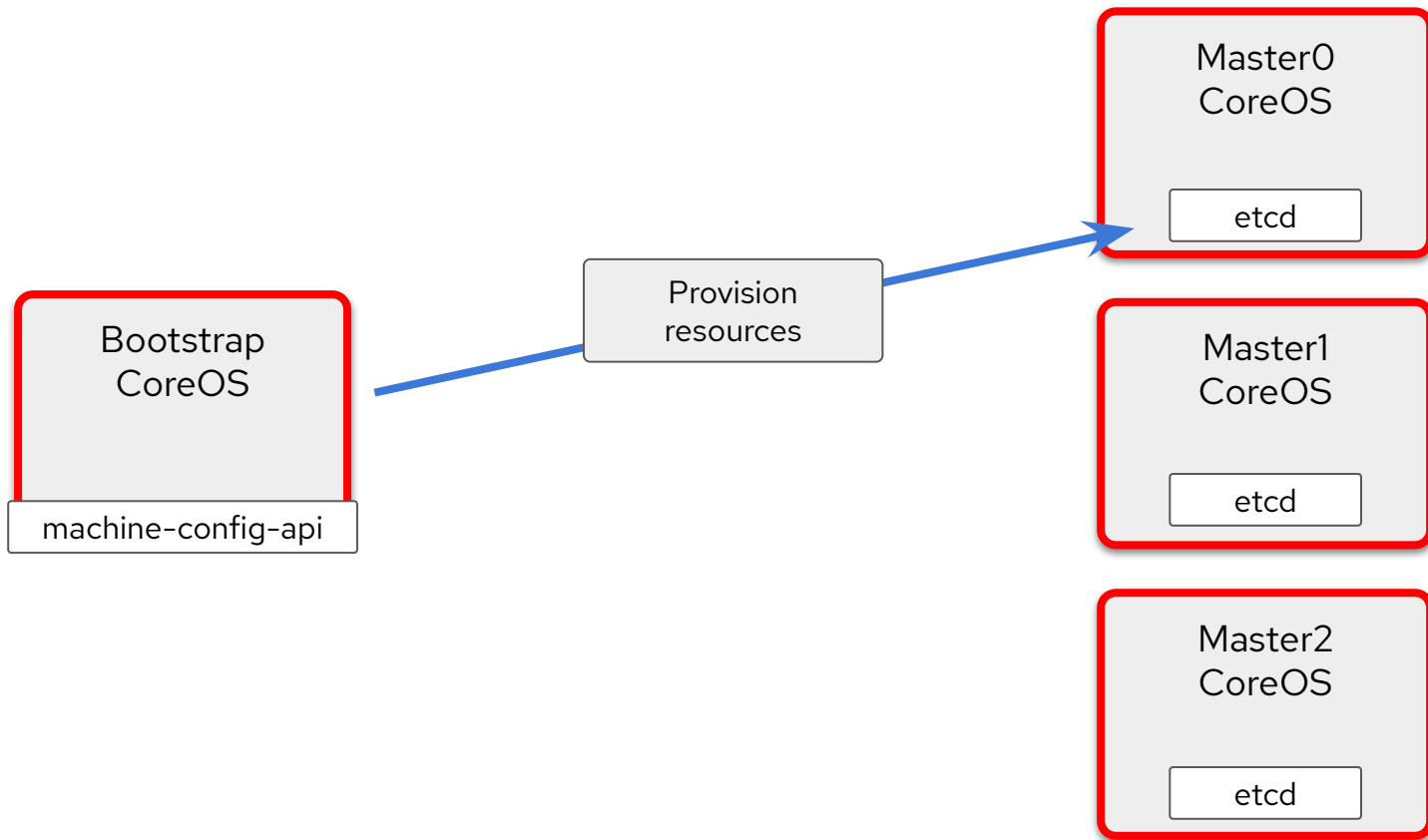
```
DEFAULT default
TIMEOUT 20
PROMPT 0

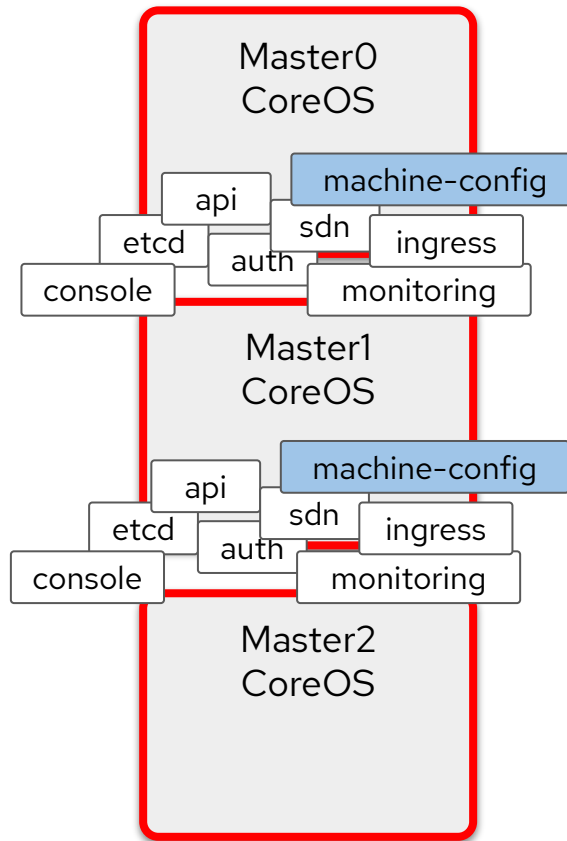
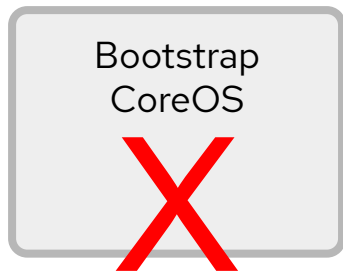
LABEL default
  KERNEL http://192.168.2.9:8080/rhcos-4.4.3-x86_64-installer-kernel-x86_64
  APPEND ip=dhcp rd.neednet=1
initrd=http://192.168.2.9:8080/rhcos-4.4.3-x86_64-installer-initramfs.x86_64.img
console=tty0 console=ttyS0 coreos.inst=yes coreos.inst.install_dev=vda
coreos.inst.image_url=http://192.168.2.9:8080/rhcos-4.4.3-x86_64-metal.x86_64.raw.gz
coreos.inst.ignition_url=http://192.168.2.9:8080/worker.ign
```

Provisioning VM











J'ai installé un OS ? **NON**

J'ai installé des paquets ? **NON**

J'ai mis à jour le système ? **NON**

Facile à gérer en jour 2 ? **OUI**



**Installons-le ensemble !**