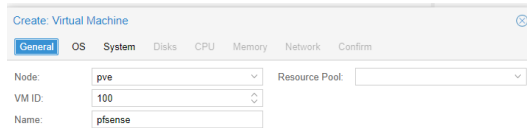


## Installation de Pfsense

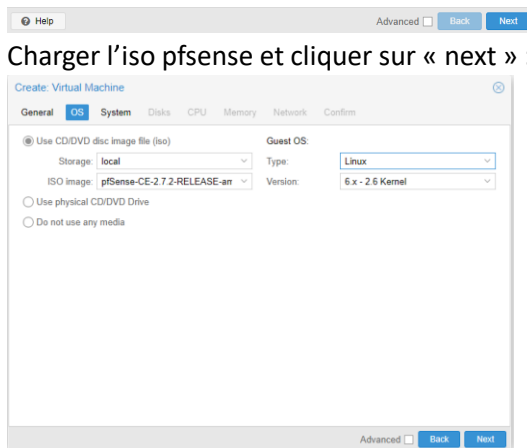
Prérequis : Avoir téléchargé l'ISO de Pfsense et avoir un Proxmox configuré.

1. Créer une machine virtuelle avec le nom de « pfsense » :



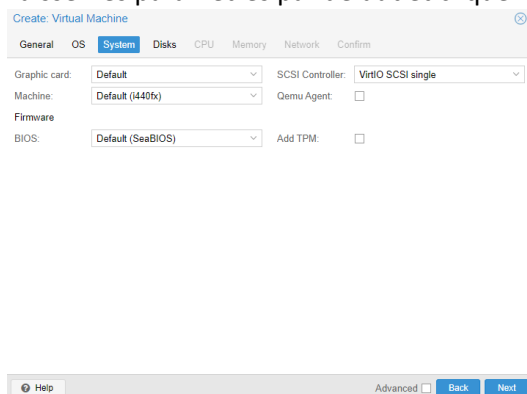
The screenshot shows the 'Create: Virtual Machine' window with the 'General' tab selected. The fields are filled as follows: Node: pve, VM ID: 100, Name: pfsense, and Resource Pool: (empty). The tabs at the top are General, OS, System, Disks, CPU, Memory, Network, and Confirm.

2. Charger l'iso pfsense et cliquer sur « next » :



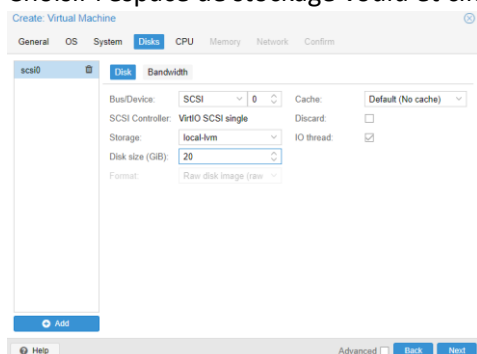
The screenshot shows the 'Create: Virtual Machine' window with the 'OS' tab selected. The 'Use CD/DVD disc image file (iso)' option is selected. The fields are: Storage: local, ISO image: pfsense-CE-2.7.2-RELEASE-am, Guest OS Type: Linux, and Version: 6.x - 2.6 Kernel. The tabs at the top are General, OS, System, Disks, CPU, Memory, Network, and Confirm.

3. Laisser les paramètres par défaut et cliquer sur « next » :



The screenshot shows the 'Create: Virtual Machine' window with the 'System' tab selected. The fields are: Graphic card: Default, Machine: Default (i440fx), Firmware: BIOS, BIOS: Default (SeaBIOS), SCSI Controller: VirtIO SCSI single, and Qemu Agent: (unchecked). The tabs at the top are General, OS, System, Disks, CPU, Memory, Network, and Confirm.

4. Choisir l'espace de stockage voulu et cliquer sur « next » :



The screenshot shows the 'Create: Virtual Machine' window with the 'Disks' tab selected. The fields are: Bus/Device: SCSI, Cache: Default (No cache), SCSI Controller: VirtIO SCSI single, Storage: local-lvm, Disk size (GiB): 20, and Format: Raw disk image (raw). The tabs at the top are General, OS, System, Disks, CPU, Memory, Network, and Confirm.

5. Mettre 4 coeurs puis cliquer sur « next » :

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

Sockets: 2 Type: x86-64-v2-AES

Cores: 2 Total cores: 4

Help Advanced Back Next

6. Mettre 3go de ram au minimum puis cliquer sur « next » :

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

Memory (MiB): 3000

Help Advanced Back Next

7. Cliquer sur « next » :

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

☐ No network device

Bridge: vmbr0 Model: VirtIO (paravirtualized)

VLAN Tag: no VLAN MAC address: auto

Firewall: ☒

8. Cliquer sur « finish » :

Create: Virtual Machine

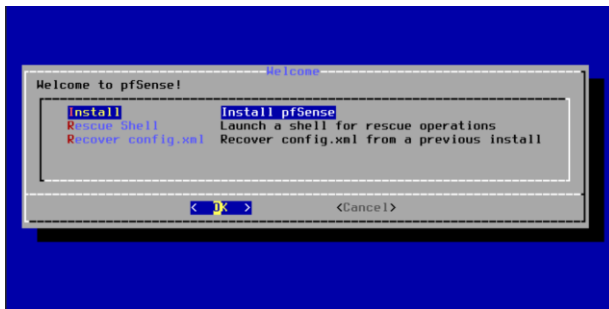
General OS System Disks CPU Memory Network Confirm

| Key ↑    | Value  |
|----------|--|
| cores    | 2  |
| cpu      | x86-64-v2-AES  |
| ide2     | local:iso/pfsense-CE-2.7.2-RELEASE-amd64.iso.media=cdrom |
| memory   | 3000   |
| name     | pfsense  |
| net0     | virtio.bridge=vmbr0.firewall=1                           |
| nodename | pve  |
| numa     | 0  |
| ostype   | i26  |
| scsi0    | local-lvm:20.iothread=on                                 |
| scsihw   | virtio-scsi-single                                       |
| sockets  | 2  |
| vmid     | 100  |

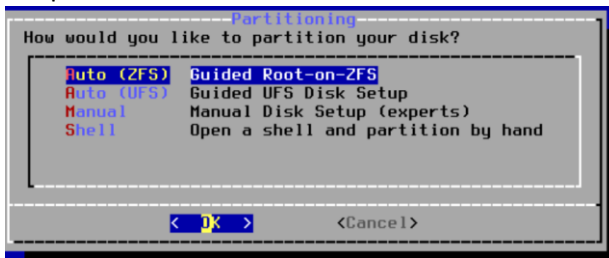
☐ Start after created

Help Advanced Back Finish

9. Cliquer sur « ok » :



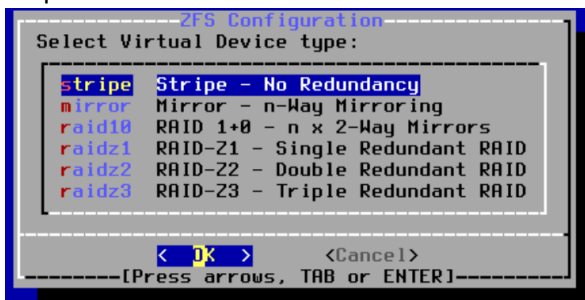
10. Cliquer sur « OK » :



11. Cliquer sur « select »



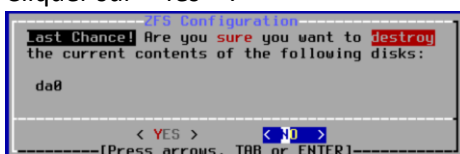
12. Cliquer sur « OK » :



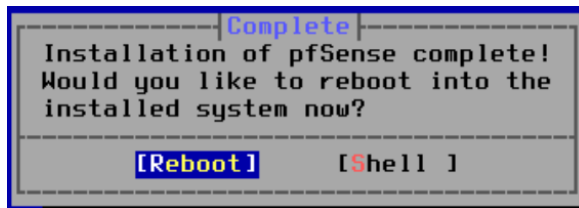
13. Appuyer sur espace puis cliquer sur « OK »



14. Cliquer sur « Yes » :



15. Cliquer sur reboot



16. Taper « vtnet0 » :

```

Loading configuration...done.
Updating configuration...done.
Warning: Configuration references interfaces that do not exist: em0 en1
Network interface mismatch -- Running interface assignment option.
vtnet0: link state changed to UP
Valid interfaces are:
vtnet0  bc:24:11:b8:6e:4e (down) VirtIO Networking Adapter
Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.
Should VLANs be set up now [y/n]? 2024-03-20T00:54:12.433128+00:00 - php-fpm 394
- - /rc.linkup: Ignoring link event during boot sequence.

If the names of the interfaces are not known, auto-detection can
be used instead. To use auto-detection, please disconnect all
interfaces before pressing 'a' to begin the process.

Enter the WAN interface name or 'a' for auto-detection
(vtnet0 or a): vtnet0

```

17. Puisque nous n'avons aucun Lan de créé, cliquer sur entrer.

```

Network interface mismatch -- Running interface assignment option.
vtnet0: link state changed to UP
Valid interfaces are:
vtnet0  bc:24:11:b8:6e:4e (down) VirtIO Networking Adapter
Do VLANs need to be set up first?
If VLANs will not be used, or only for optional interfaces, it is typical to
say no here and use the webConfigurator to configure VLANs later, if required.
Should VLANs be set up now [y/n]? 2024-03-20T00:54:12.433128+00:00
- - /rc.linkup: Ignoring link event during boot sequence.

If the names of the interfaces are not known, auto-detection can
be used instead. To use auto-detection, please disconnect all
interfaces before pressing 'a' to begin the process.

Enter the WAN interface name or 'a' for auto-detection
(vtnet0 or a): vtnet0

Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(a or nothing if finished):

```

18. Taper « y » puis valider.

19. On peut ensuite se connecter sur le même réseau grace à l'adresse IP qui s'affiche