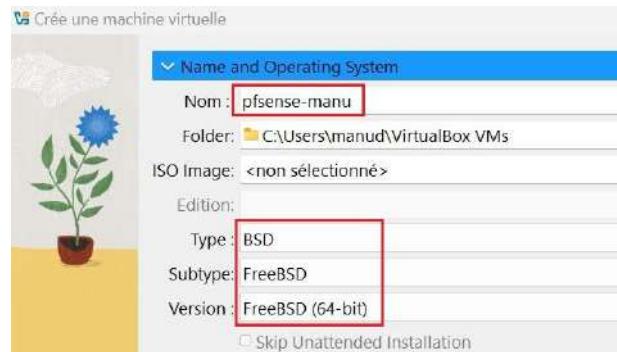


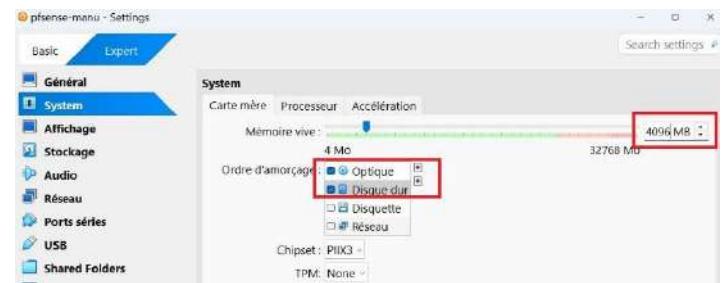
Installer PFSense sur une VM

<https://www.pc2s.fr/pfsense-installation-et-configuration/>

1



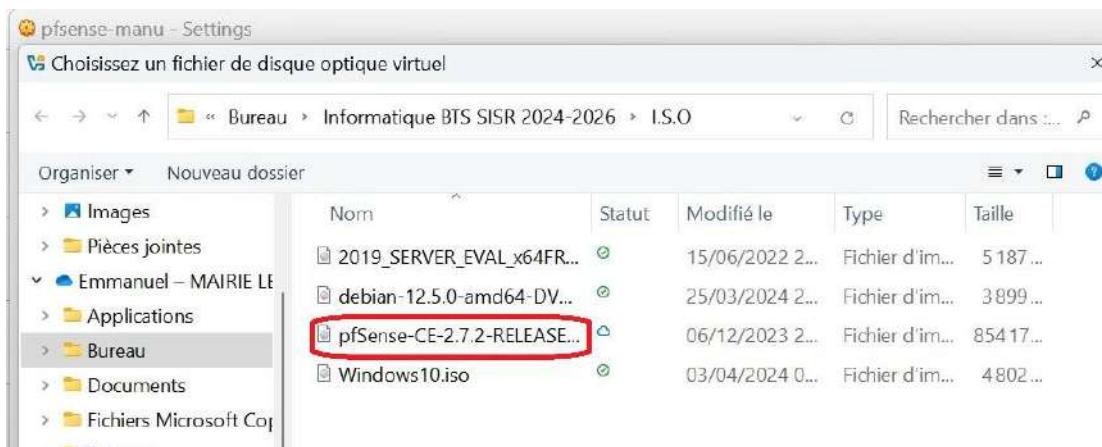
2



3



4



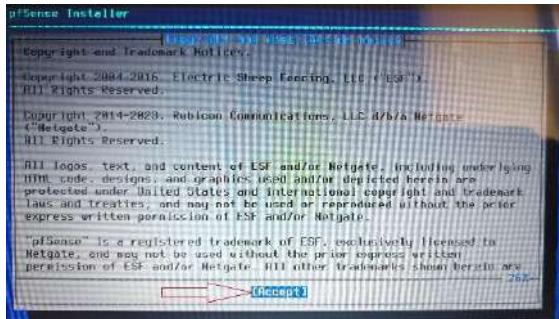
5



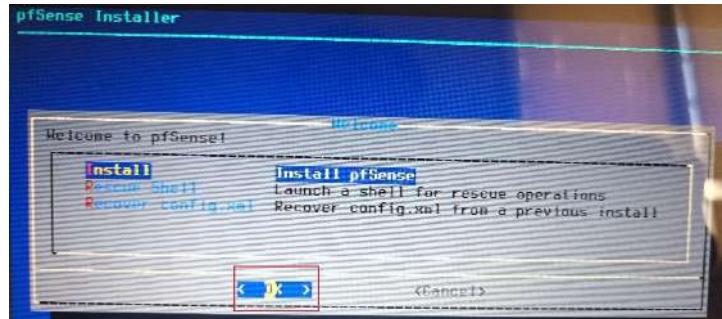
6



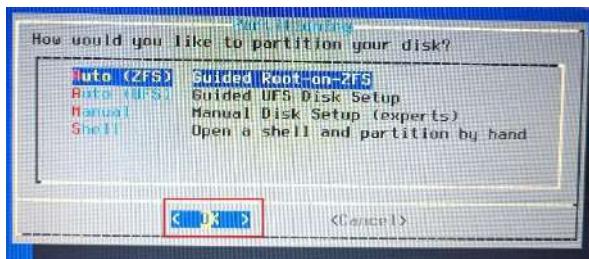
7 Accepter la licence



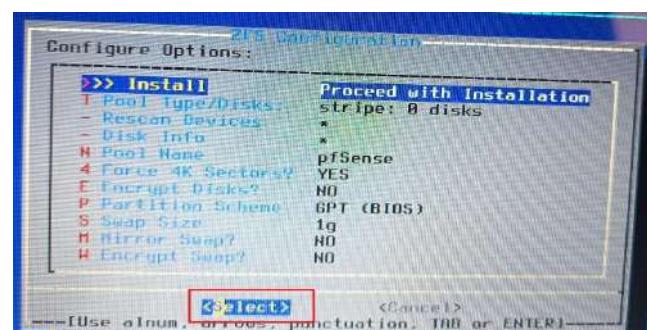
8 Install pfSense : OK



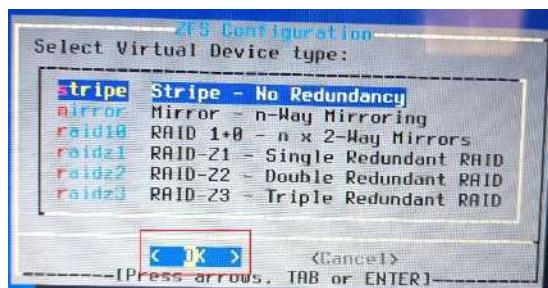
9 Auto (ZFS) pour pfSense ou Auto (UFS) BIOS



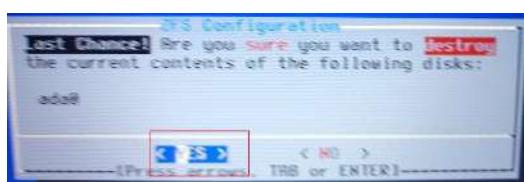
10



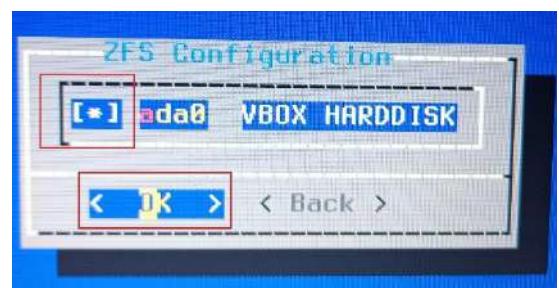
11 Sélectionner « **Install** » puis « **Stripe** »



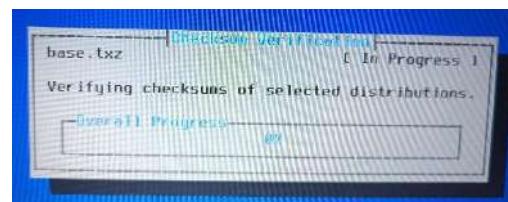
13



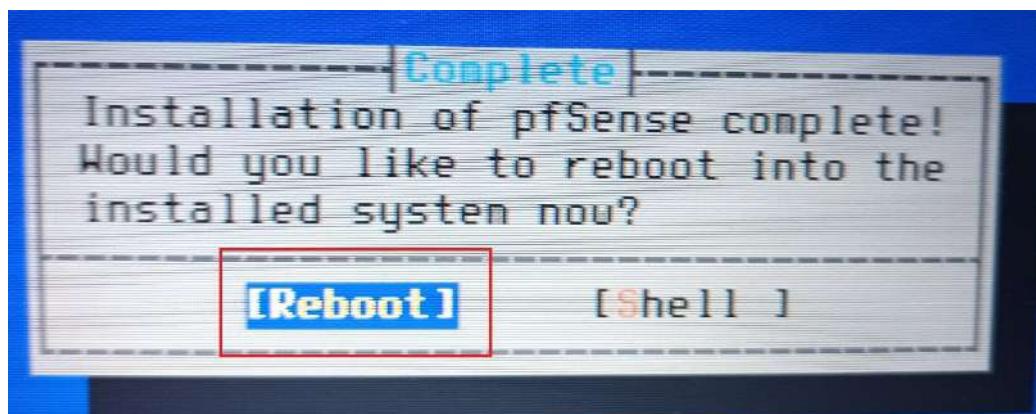
12 Sélectionner avec la touche
« Espace » le **disque** et sélectionner « YES »



14



15 Sélectionner : **Reboot** (Ne pas oublier d'éjecter le CD)



16 Saisissez "n" pour "no" pour la création de VLAN

```
AMD Features2=0x21<LAHF,ABM>
Structured Extended Features=0x2bb9<FSGSBASE,BMI1,HLE,AUX2,SMEP,BMI2,ERMS,RTM,
NPFUSG>
XSAVE Features=0x1<XSAVEOPT>
Hypervisor: Origin = "Microsoft Hv"
Done.
..... done.
Initializing..... done.
Starting device manager (devd)...done.
Loading configuration.....done.
Updating configuration.....done.
Warning: Configuration references interfaces that do not exist: em0 em1

Network interface mismatch -- Running interface assignment option.

Valid interfaces are:

hn0      00:15:5d:64:04:3f (down) Hyper-V Network Interface
hn1      00:15:5d:64:04:40 (down) Hyper-V Network Interface

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]? n
```

17 Sélectionner a pour le WAN ou (DHCP) mètre le nom si vous le connaissez

```
Initializing..... done.
Starting device manager (devd)...done.
Loading configuration.....done.
Updating configuration.....done.
Warning: Configuration references interfaces that do not exist: em0 em1

Network interface mismatch -- Running interface assignment option.

Valid interfaces are:

hn0      00:15:5d:64:04:3f (down) Hyper-V Network Interface
hn1      00:15:5d:64:04:40 (down) Hyper-V Network Interface

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]? n

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
(hn0 hn1 or a): hn0
```

18 pour le LAN en IP fixe.

Enter the LAN interface name or 'a' for auto-detection

NOTE: this enables full Firewalling/NAT mode.

(Chm1 a or nothing if finished): hn1

19

Enter the LAN interface name or 'a' for auto-detect

NOTE: this enables full Firewalling/NAT mode.

(a or nothing if finished):

The interfaces will be assigned as follows:

WAN -> em0

Do you want to proceed [y\N]? y

20 Configuration de l'adresse IP de la carte réseau local LAN hn1

WAN (wan)	-> hn0	-> v4/DHCP4: 192.168.100.150/24
LAN (lan)	-> hn1	-> v4: 192.168.1.1/24

- | | |
|-----------------------------------|----------------------------------|
| 0) Logout (SSH only) | 9) pfTop |
| 1) Assign Interfaces | 10) Filter Logs |
| 2) Set interface(s) IP address | 11) Restart webConfigurator |
| 3) Reset webConfigurator password | 12) PHP shell + pfSense tools |
| 4) Reset to factory defaults | 13) Update from console |
| 5) Reboot system | 14) Enable Secure Shell (sshd) |
| 6) Halt system | 15) Restore recent configuration |
| 7) Ping host | 16) Restart PHP-FPM |
| 8) Shell | |

21

Sélectionner : 2 (Set interface IP address)

- | | |
|-----------------------------------|----------------------------------|
| 0) Logout (SSH only) | 9) pfTop |
| 1) Assign Interfaces | 10) Filter Logs |
| 2) Set interface(s) IP address | 11) Restart webConfigurator |
| 3) Reset webConfigurator password | 12) PHP shell + pfSense tools |
| 4) Reset to factory defaults | 13) Update from console |
| 5) Reboot system | 14) Enable Secure Shell (sshd) |
| 6) Halt system | 15) Restore recent configuration |
| 7) Ping host | 16) Restart PHP-FPM |
| 8) Shell | |

Enter an option: 2

22 Sélectionner la carte réseau local LAN : **2**

23

Saisissez l'adresse IP souhaitée : 192.168.2.1 (pour notre exemple)

```
Enter the new LAN IPv4 address. Press <ENTER> for none:  
> 192.168.2.1
```

24

8) Shell

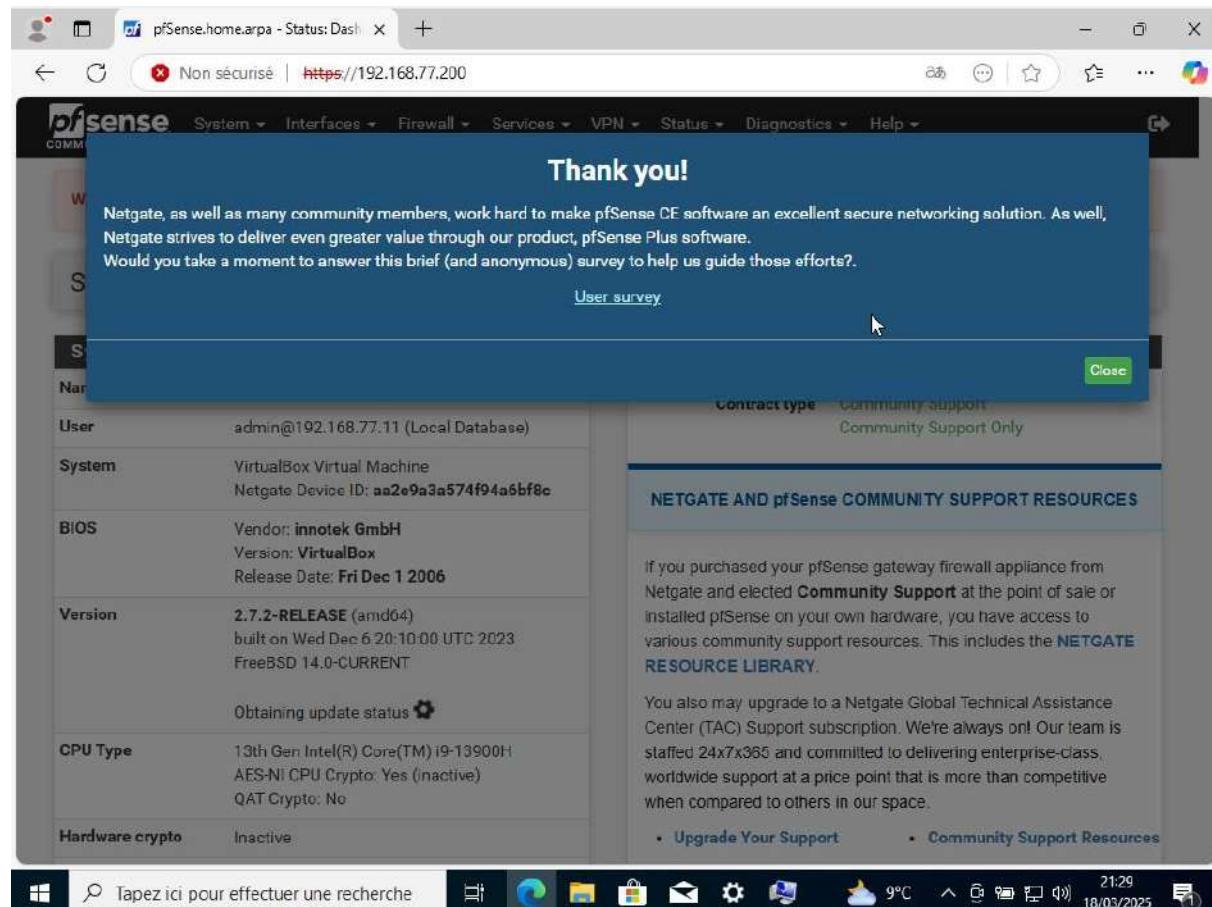
Enter an option: **2**

```
Configure IPv4 address WAN interface via DHCP? (y/n) y
```

25

```
Enter an option: 2  
  
Configure IPv4 address WAN interface via DHCP? (y/n) y  
Configure IPv6 address WAN interface via DHCP6? (y/n) n
```

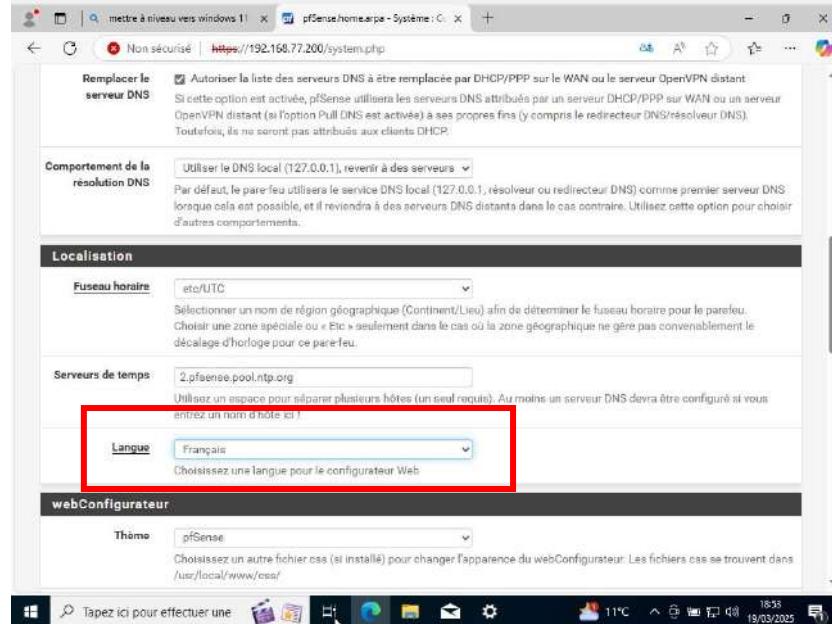
Ouvrir un navigateur Web sur une machine virtuelle sur le même plan d'adressage que les paramètres du PFsense ex : 192.168.77.200 ID : admin MDPS : pfsense



PFSENSE en français

aller dans système, Configuration générale descendre jusqu' à Localisation

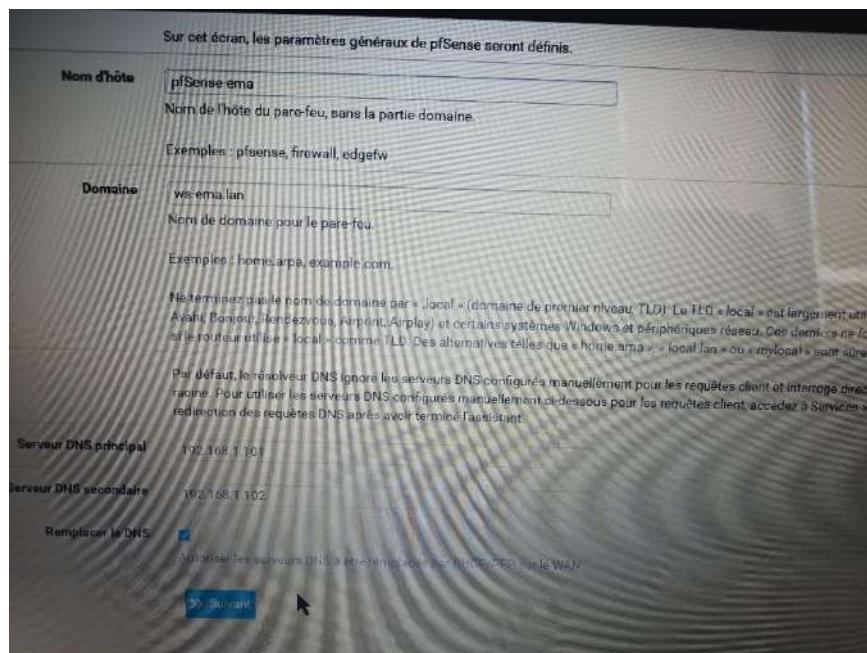
(n'oublier pas de sauvegarder en bas de page et de (confirmer en haut de page si demander)



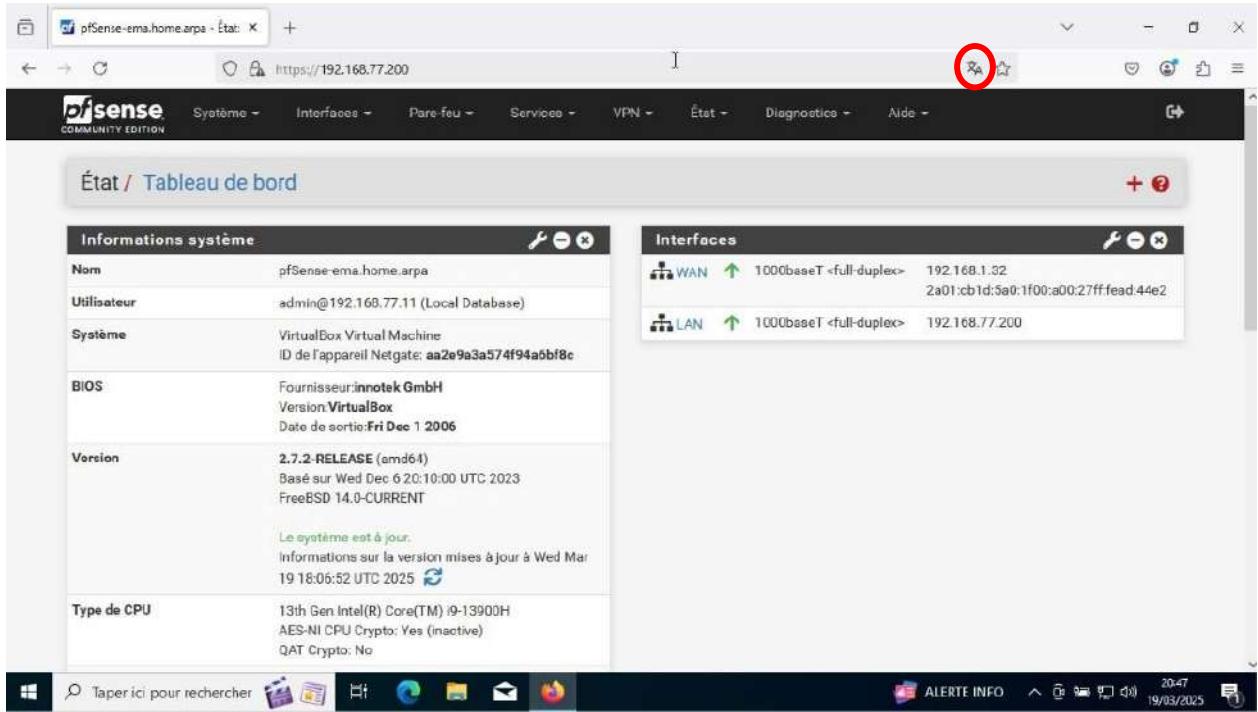
Réglage du DNS

Dans le ruban de PFSENSE Aller dans system ; General Setup ; dans système personnaliser le nom d'hôte ex : Pfsense-ema, puis le Domaine :ws-ema.lan en suite les paramètres du serveur DNS

192.168.1.101 ; 192.168.1.102 et cocher remplacer le DNS

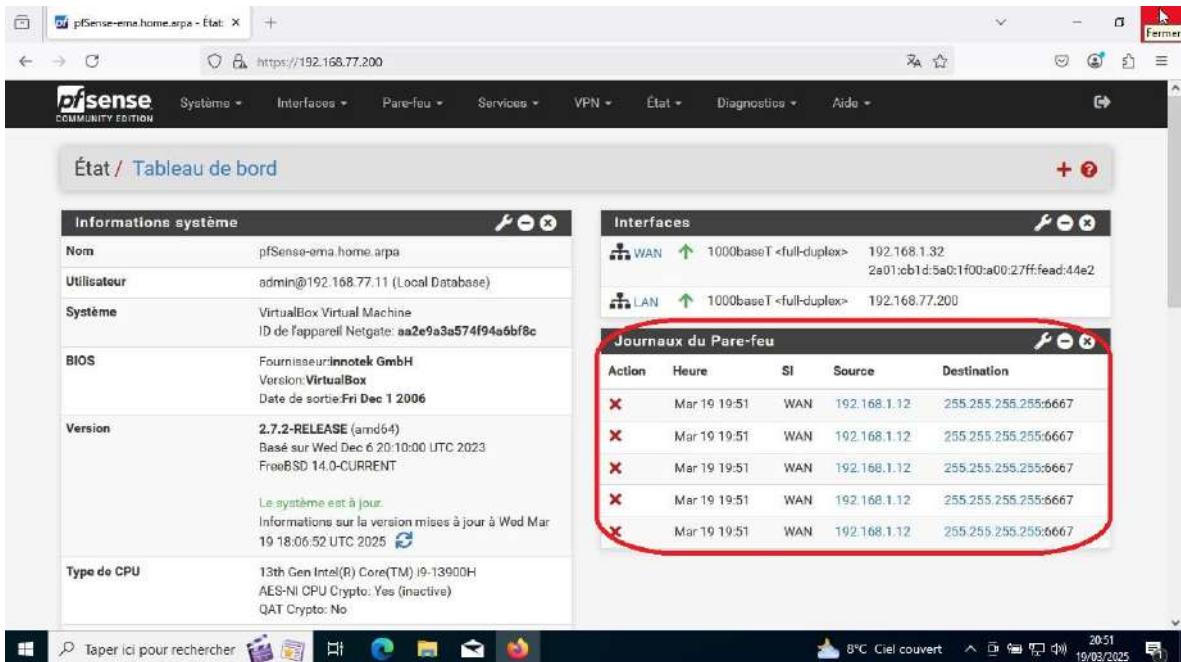


Ajouter le widgets sur 



The screenshot shows the pfSense 2.7.2-RELEASE dashboard. In the top right corner of the main header, there is a red circle around a small blue '+' icon. The dashboard displays system information and interface details. The 'Interfaces' section shows two entries: 'WAN' with IP 192.168.1.32 and 'LAN' with IP 192.168.77.200.

Selectines, journal du parfeu cela vas permettre d' avoir un visuel sur des intrusions potentiels



The screenshot shows the pfSense 2.7.2-RELEASE dashboard with the 'Journaux du Pare-feu' (Firewall Logs) section highlighted by a red box. The table lists five log entries, each with a red 'X' in the 'Action' column and 'Mar 19 19:51' in the 'Heure' column. The 'Source' and 'Destination' columns show various IP addresses, such as 192.168.1.12 and 255.255.255.6667.

Action	Heure	SI	Source	Destination
✗	Mar 19 19:51	WAN	192.168.1.12	255.255.255.6667
✗	Mar 19 19:51	WAN	192.168.1.12	255.255.255.6667
✗	Mar 19 19:51	WAN	192.168.1.12	255.255.255.6667
✗	Mar 19 19:51	WAN	192.168.1.12	255.255.255.6667
✗	Mar 19 19:51	WAN	192.168.1.12	255.255.255.6667

