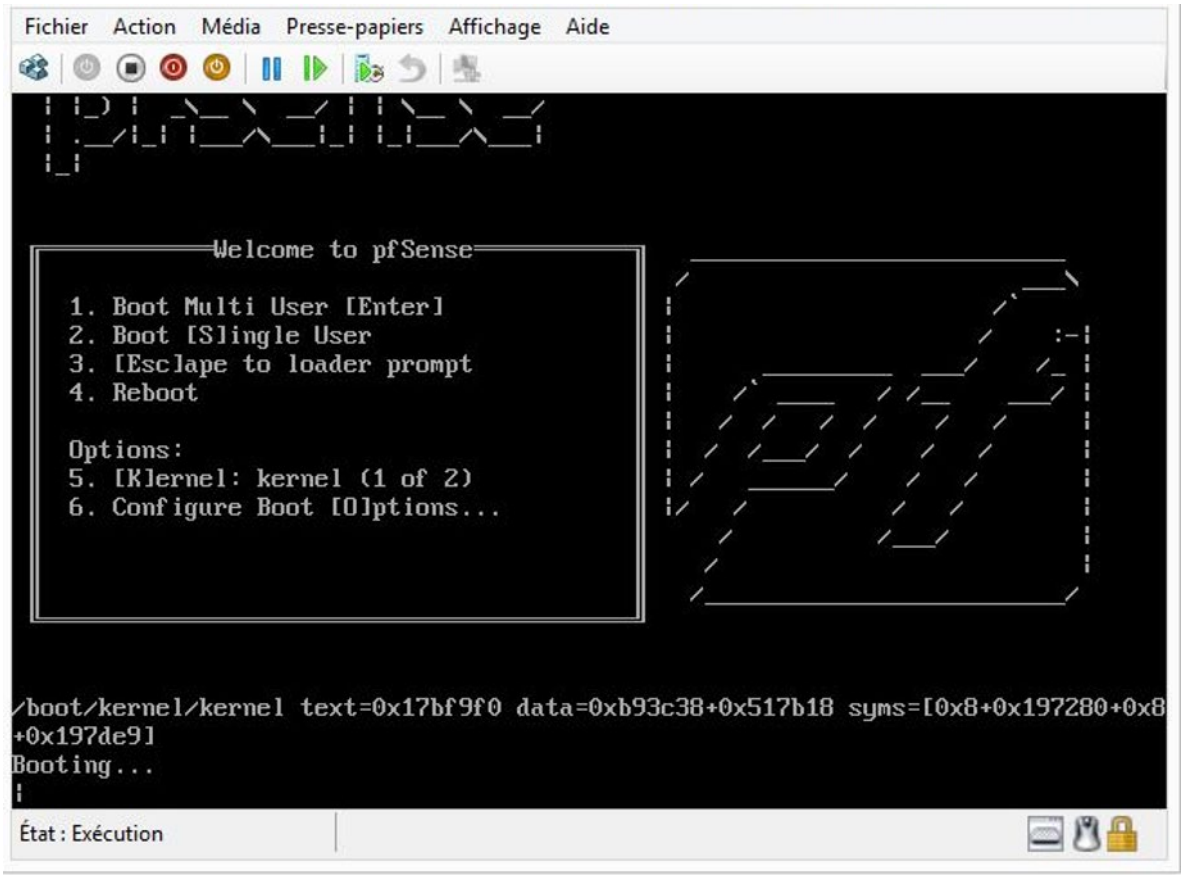
Installation de pfSense

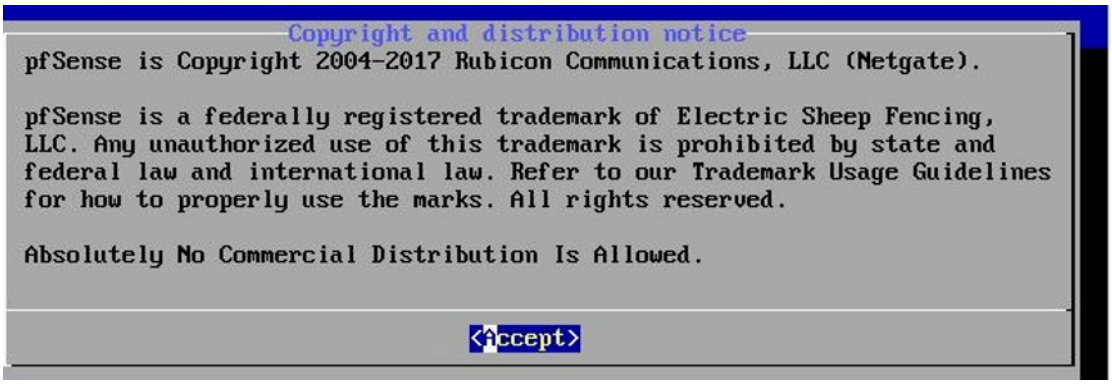
Récupérez les informations liées à votre propre réseau. Dans ce mode opératoire, nous utiliserons les éléments suivants :

- IP Réseau local (LAN): 172.16.0.101/16
- IP Réseau INTERNET (WAN) : 192.168.42.1/24
- IP DMZ : 172.17.0.101/16
- IP PASSERELLE Internet : 192.168.42.254/24 (Ip du routeur ou box internet)
- IP DNS1 Internet : 192.168.42.254 (Passerelle d'accès à internet / Box)
- IP DNS2 Internet : 8.8.8.8 (DNS Google)

Démarrer la VM

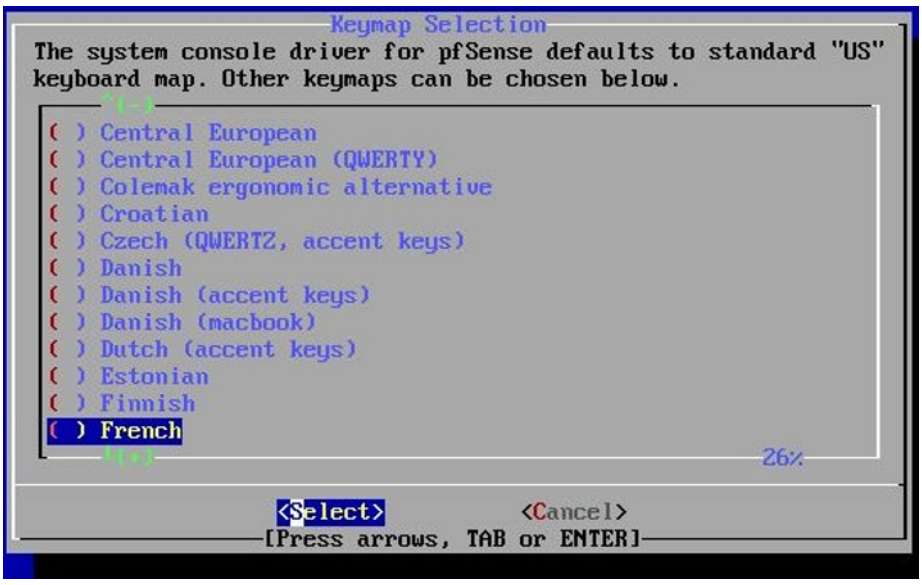


Accepter la licence

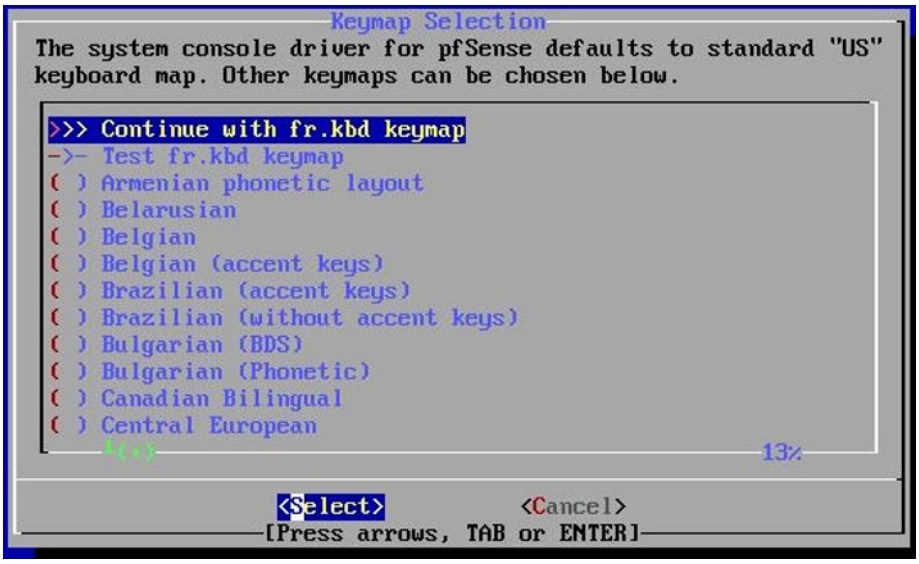


Install pfSense : OK

Sélectionner French dans le menu déroulant

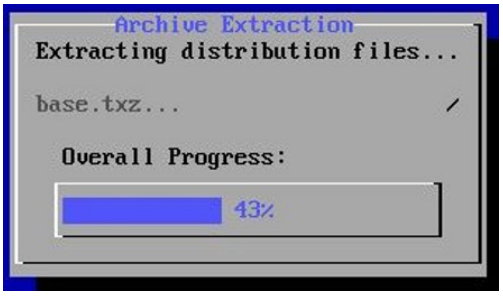


Sélectionner le type et la langue du clavier : Continue with fr.kbd keymap

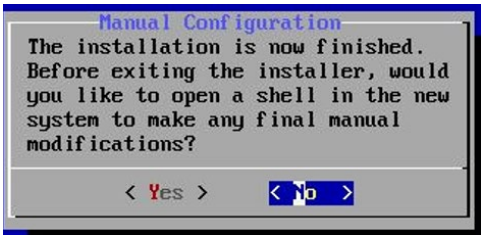


Auto (UFS) : OK

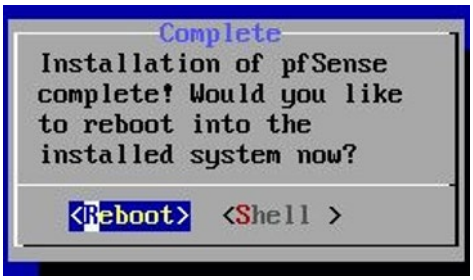
Patientez pendant l'installation



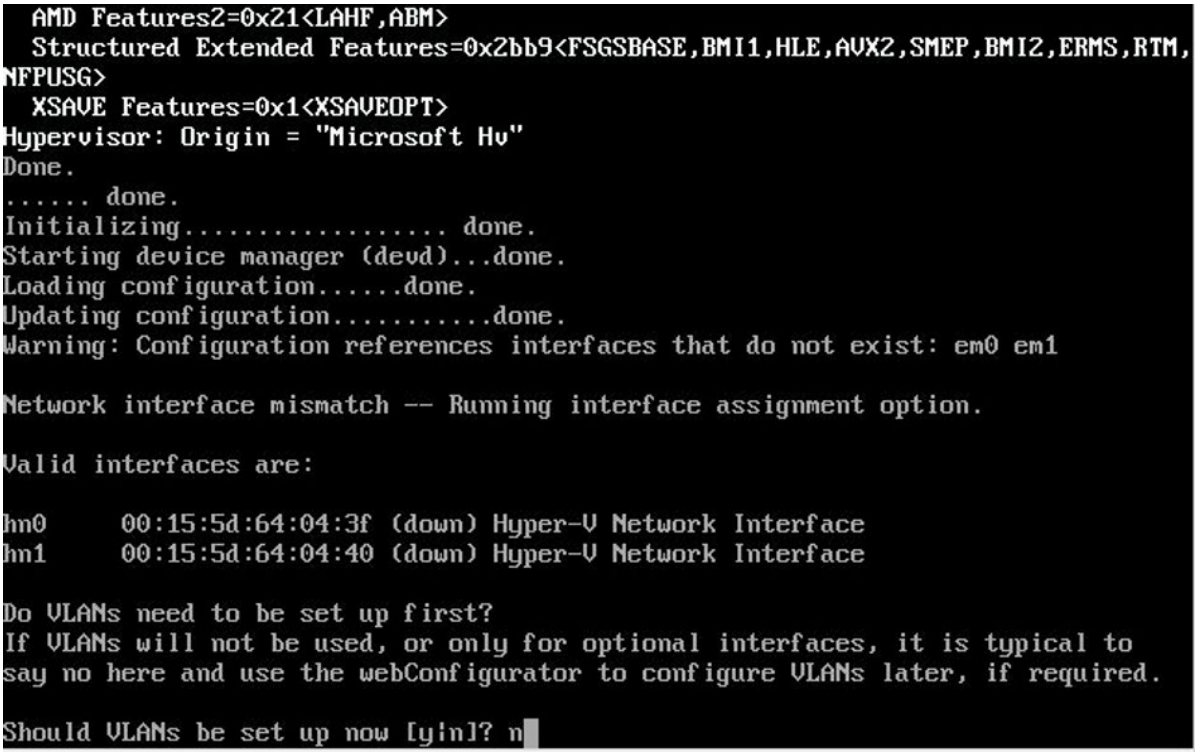
Sélectionner : No



Sélectionner : Reboot (Ne pas oublier d'éjecter le CD avant le redémarrage)



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



Sélectionner la carte réseau internet WAN : hn0 – (Voir dans Hyper-V l'adresse MAC qui correspond à la carte)

```
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
```

Sélectionner la carte réseau local LAN : hn1 – (Voir dans Hyper-V l'adresse MAC qui correspond à la carte)

```
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

Enter the LAN interface name or 'a' for auto-detection
NOTE: this enables full Firewalling/NAT mode.
(hn1 a or nothing if finished): hn1
```

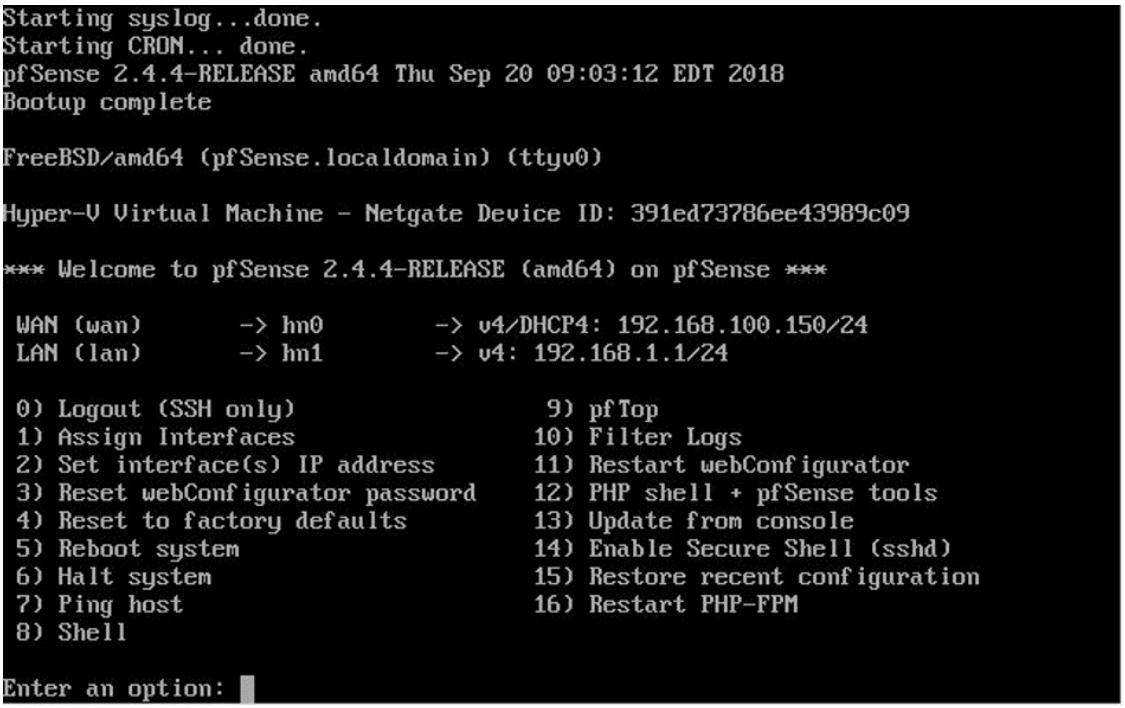
Appliquer les changements : "y" pour "yes"

```
The interfaces will be assigned as follows:

WAN  -> hn0
LAN  -> hn1

Do you want to proceed [y|n]? y
```

Maintenant les cartes sont attribuées aux interfaces

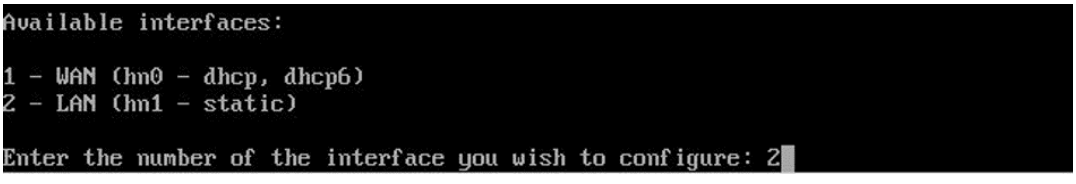


Retour au Menu

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

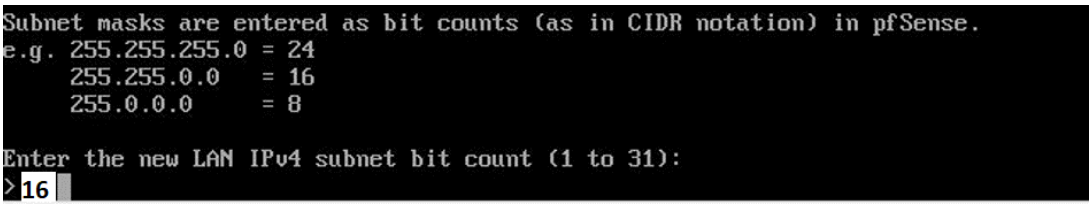
Séléctionner option 2 (Set interface IP address) pour configure les interfaces

Sélectionner la carte réseau local LAN : 2



Saisissez l'adresse IP souhaitée : 172.16.0.101 (pour notre exemple)

Saisissez le masque sous réseau au format CIDR : 16



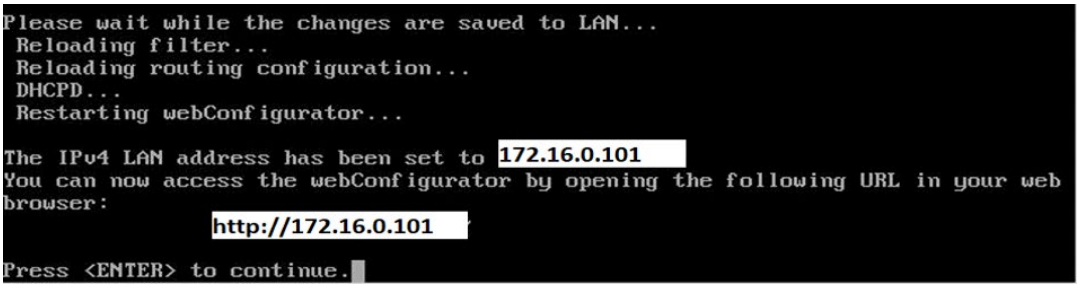
Laissez vide pour ne pas définir la passerelle : Tapez ENTREE

Laissez vide pour ne pas définir d'adresse IPV6 : Tapez ENTREE

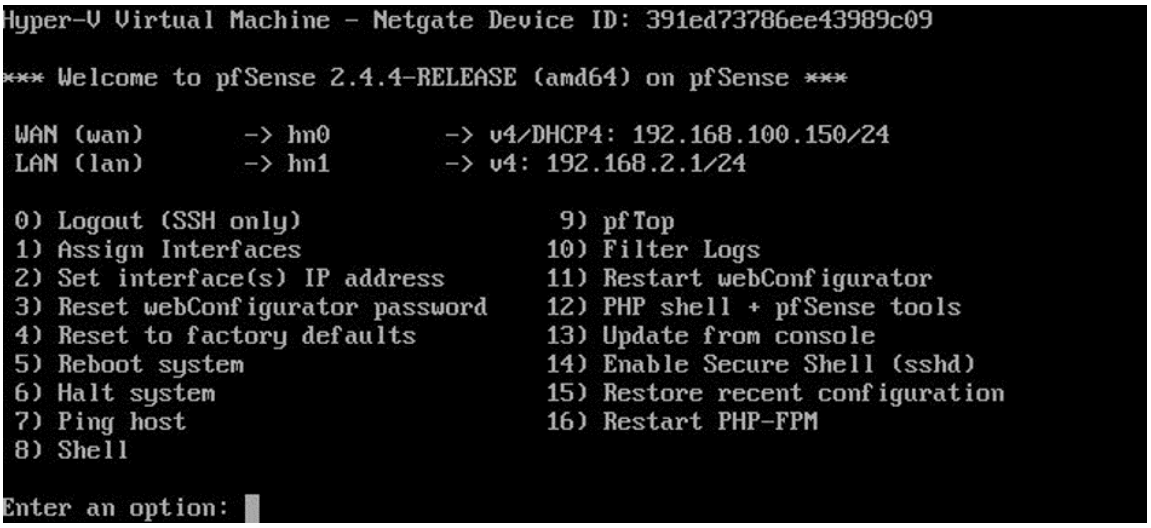
Activer le Serveur DHCP : dans notre cas on n'a pas besoin donc « n »

Activez le retour à http en tant que protocole de configuration Web. Entrez : y

Configuration terminée. Cliquez : ENTREE

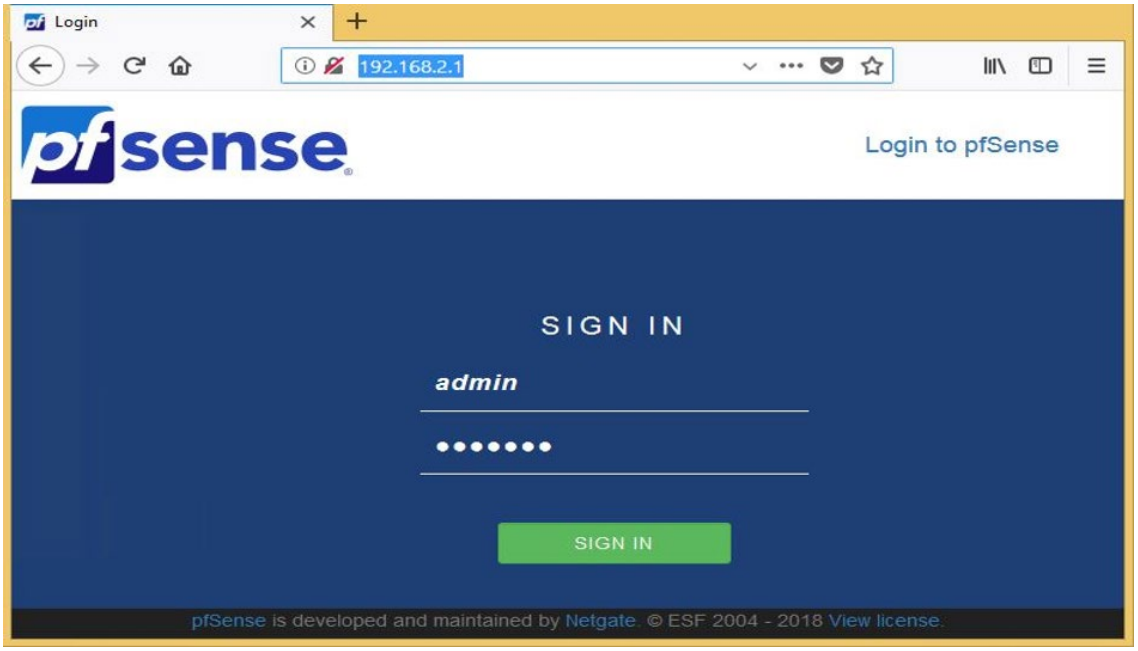


Retour au Menu. L'adresse IP de pfSense est notée dans la partie LAN : 172.16.0.101



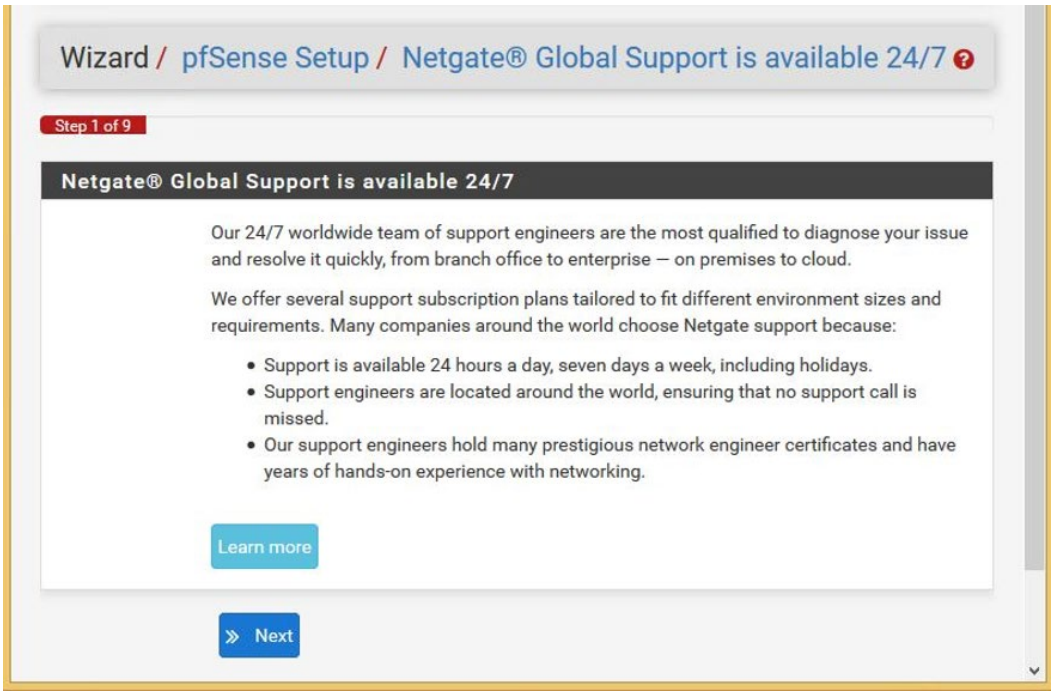
On peut maintenant accéder à l'interface du Pfsense via http://172.16.0.101

Tapez L'adresse IP dans le navigateur : 172.16.0.101 – Username : admin – Password : pfsense

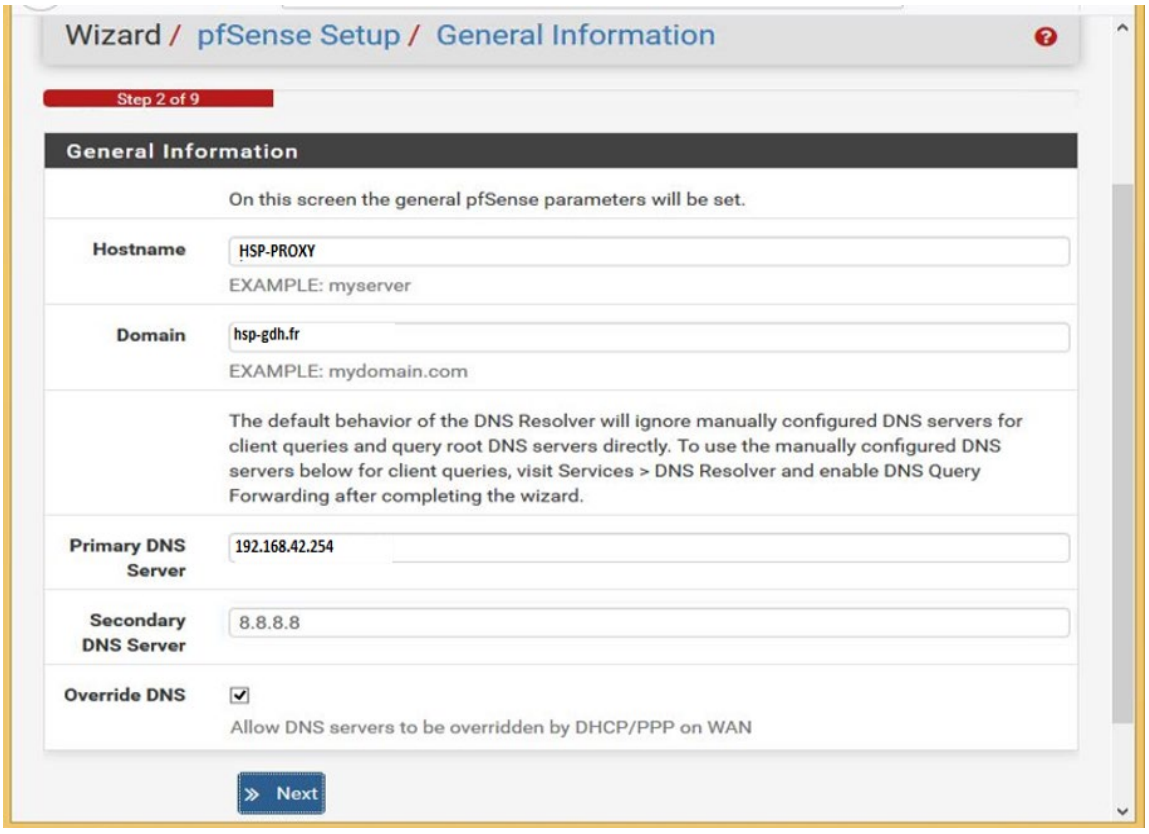


Configuration de l'installation de Base de pfSense

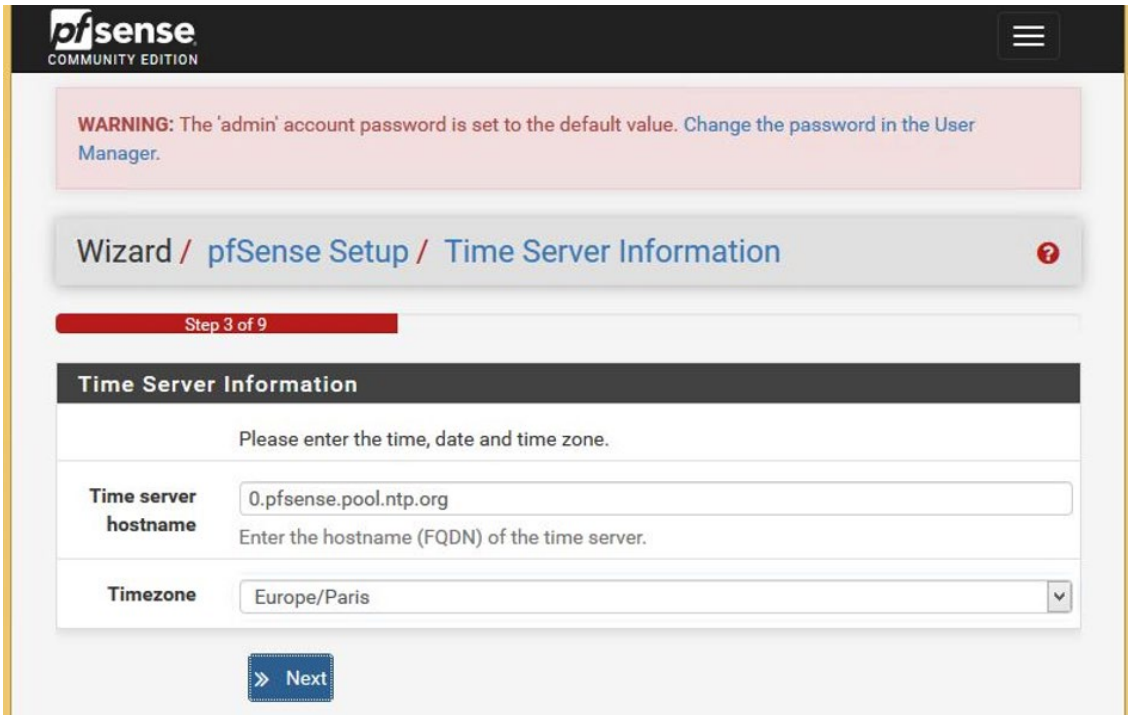
Sélectionner : Next



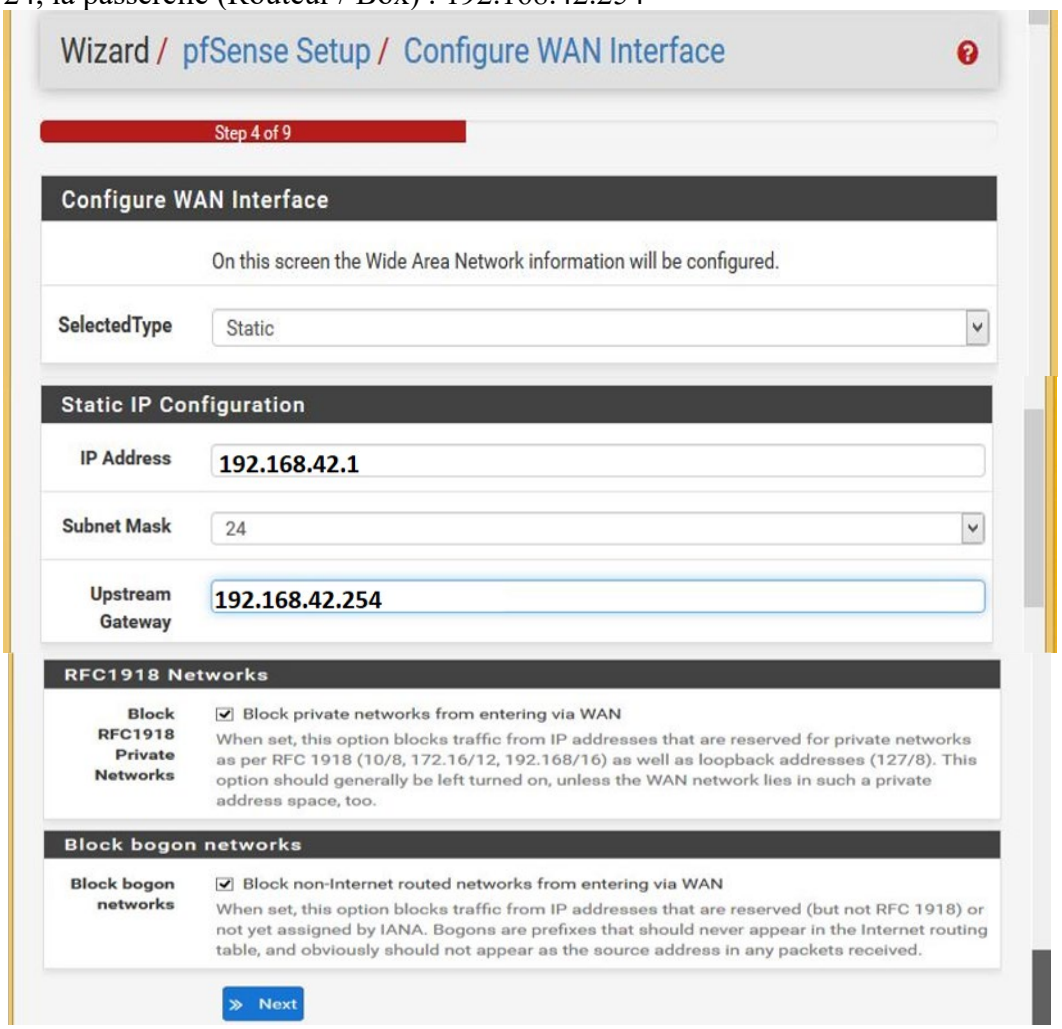
Renseigner : Hostname , Domain , Primary DNS (Routeur / Box) , Secondary DNS (Google) et cocher Override DNS



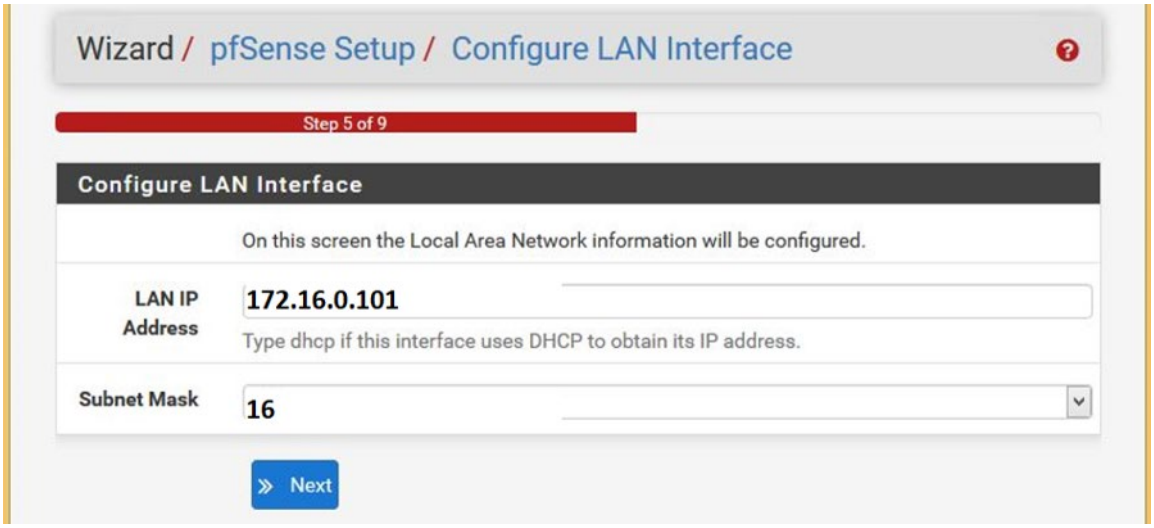
Sélectionner la Timezone Europe



Configuration de la carte réseau internet WAN : 192.168.42.1, Masque sous réseau (CIDR) : 24, la passerelle (Routeur / Box) : 192.168.42.254

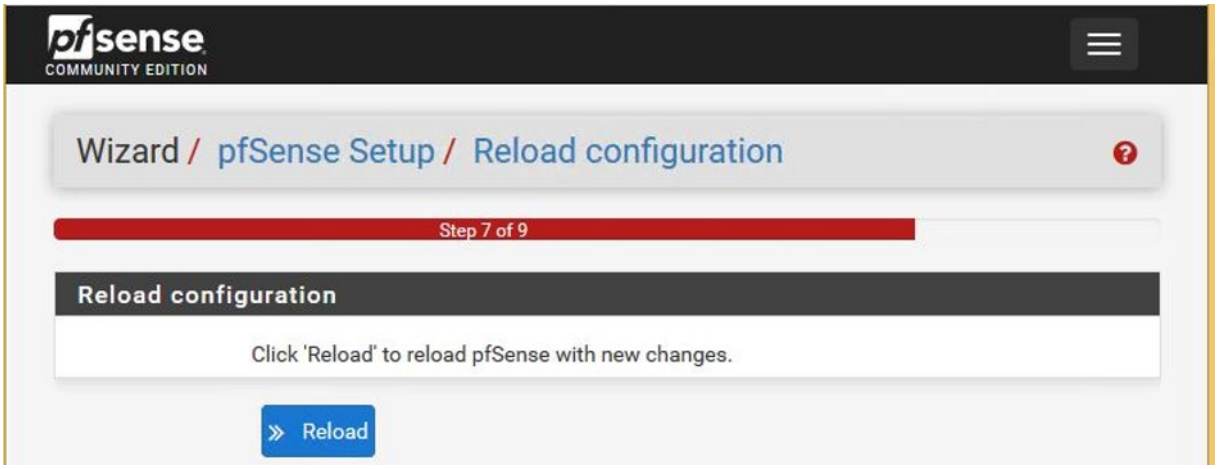


Vérification de la configuration de la carte réseau local LAN

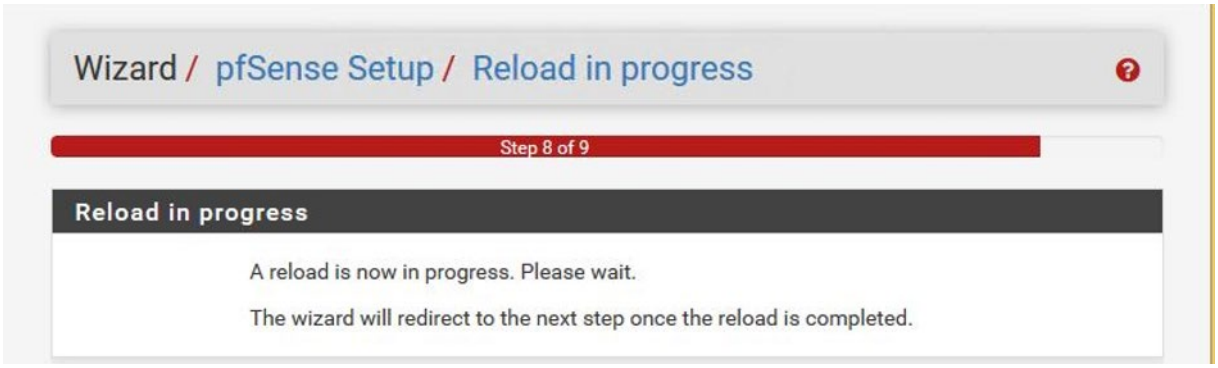


Modifier le mot de passe admin

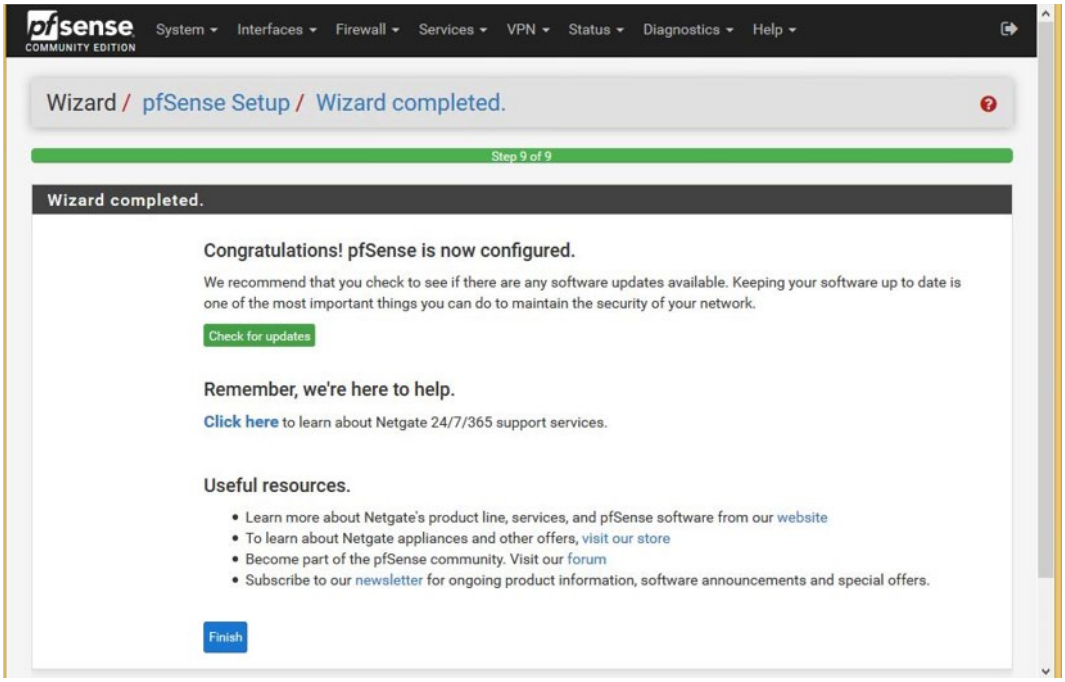
Cliquer sur : Reload



Patientez …



Sélectionner : Finish



Accepter la licence

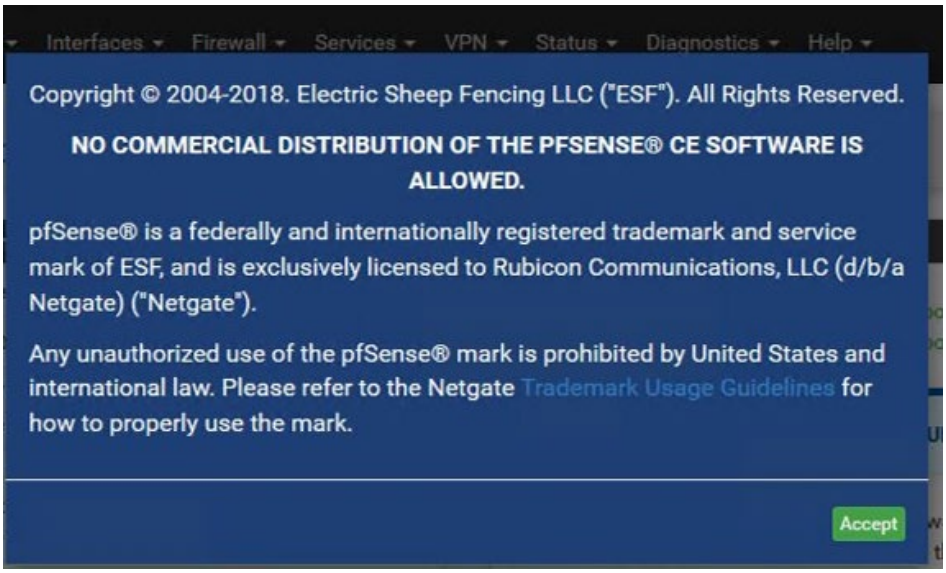
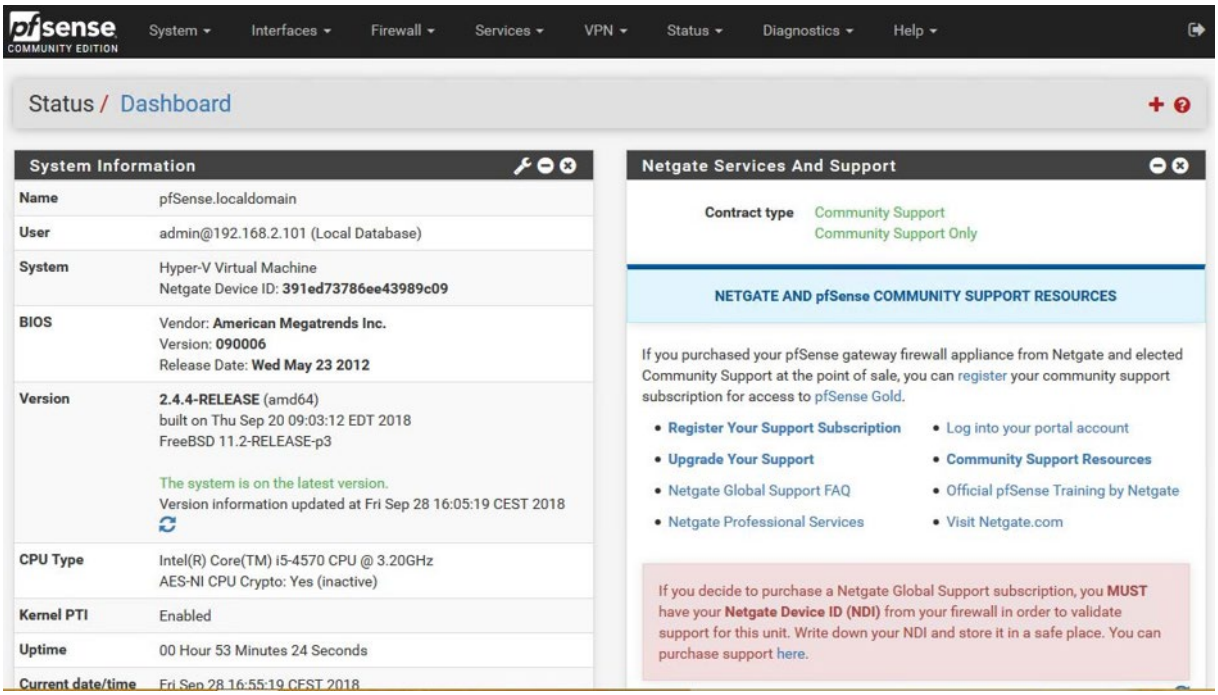


Tableau de bord de pfSense



Fin d'installation