INSTITUT UNIVERSITAIRE DES SCIENCES - IUS

Faculté des Sciences et Technologie - FST

Niveau L3 Sciences Informatiques

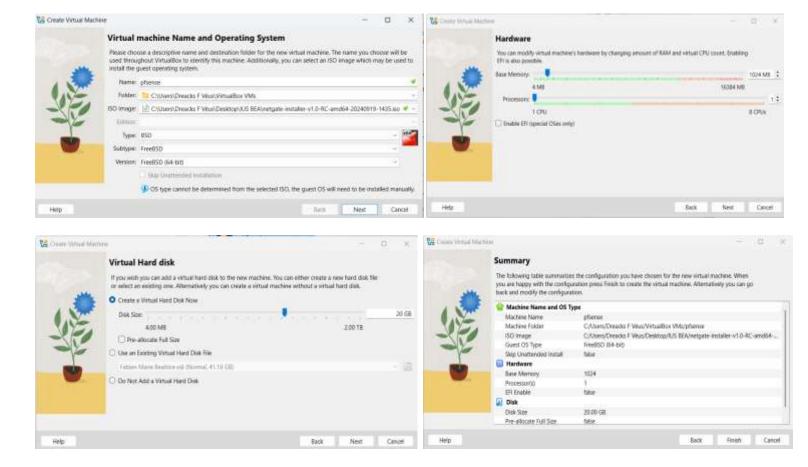
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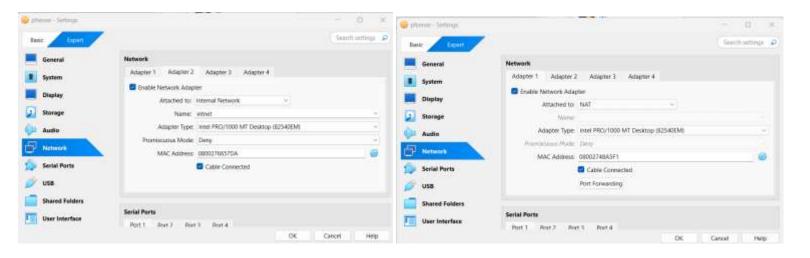
Prenom: Marie Béatrice

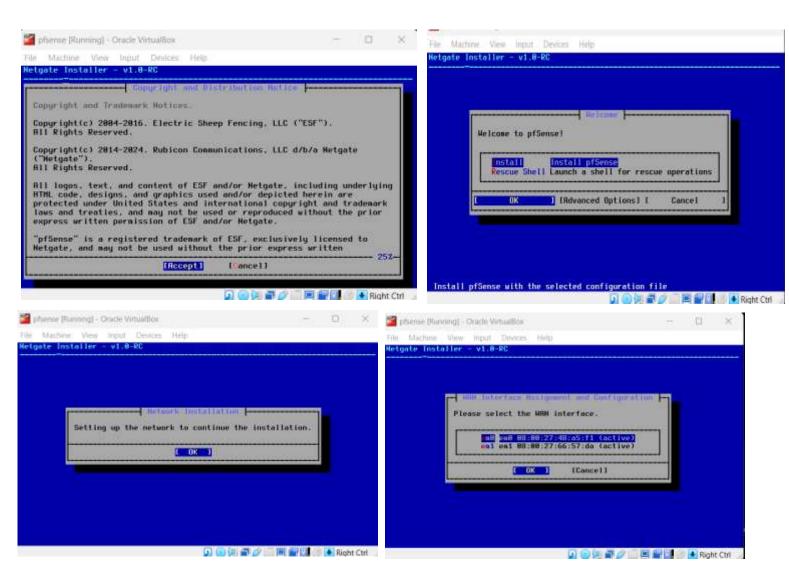
Soumis au chargé de cours Ismael SAINT AMOUR

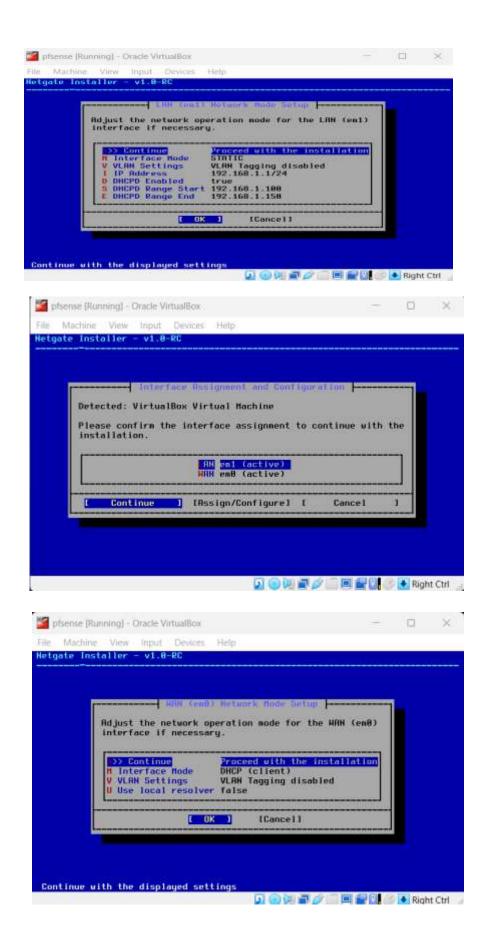
Date: 3 juin 2025

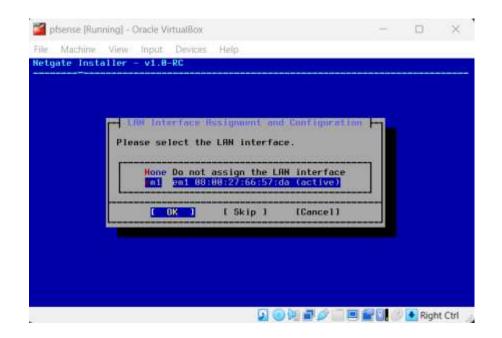
Installer et Configurer PfSense sur un VM

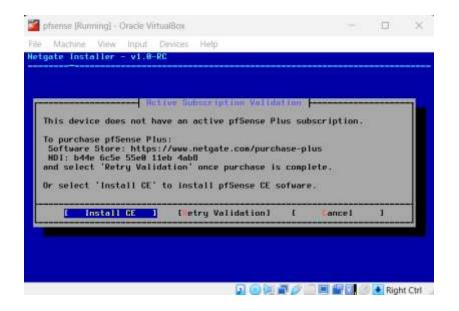


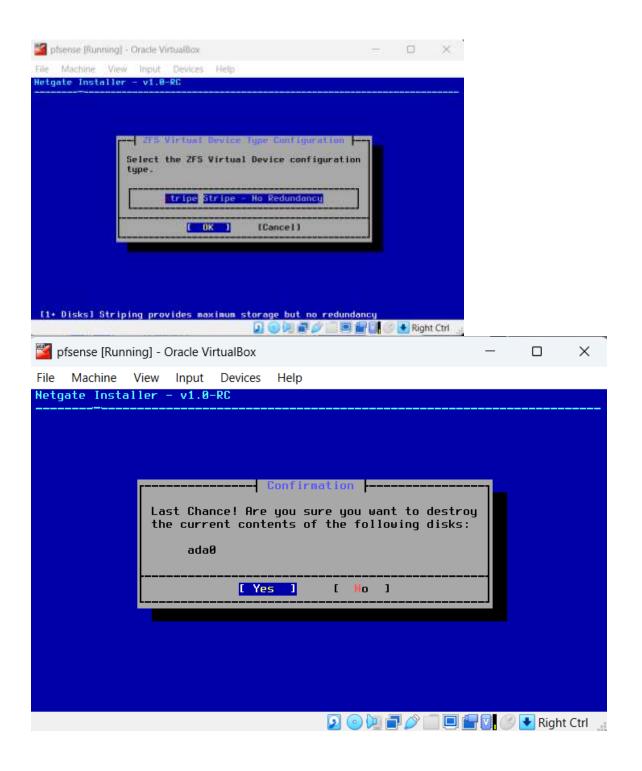


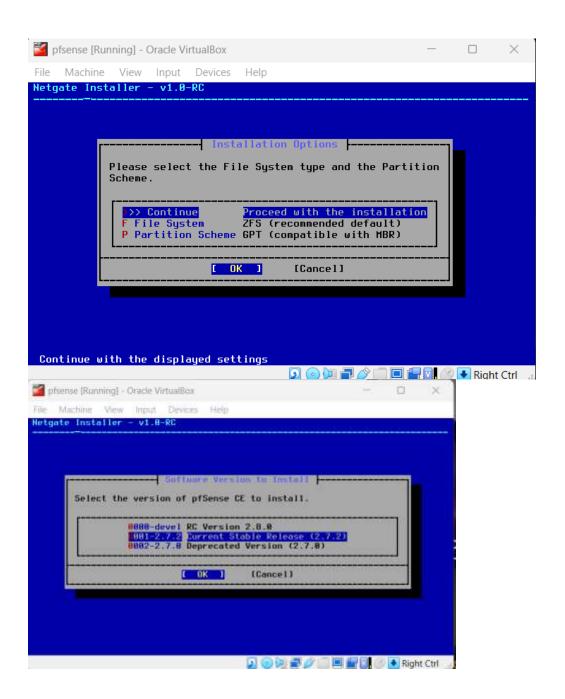


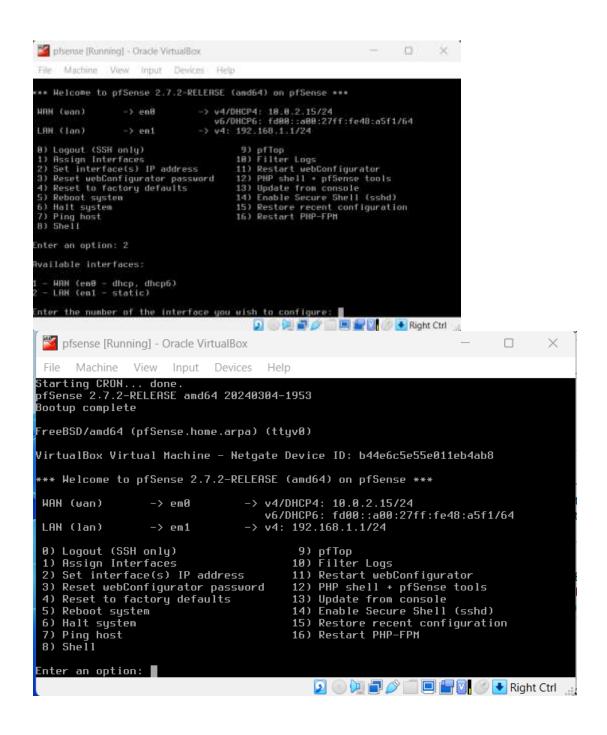












```
pfsense [Running] - Oracle VirtualBox

File Machine View Input Devices Help

Inter the number of the interface you wish to configure: 2

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

Inter the new LAN IPv4 address. Press <ENTER> for none:

192.168.2.1

Inter the new LAN IPv4 address. Press <ENTER> for none:

255.255.255.8 = 24

Inter the new LAN IPv4 address. Press <ENTER> for none:

192.168.2.1

Subnet masks are entered as bit counts (as in CIDR notation) in pfSense.

2.g. 255.255.8.8 = 24

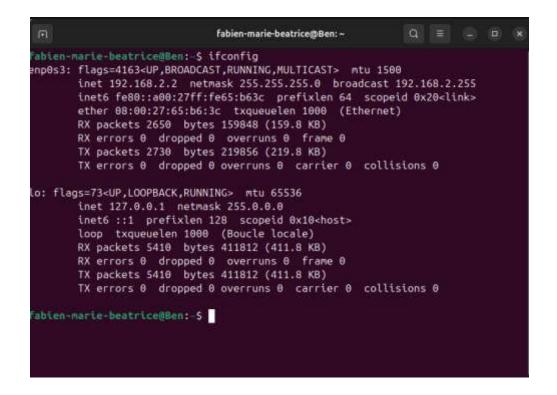
255.255.8.8 = 8

Inter the new LAN IPv4 subnet bit count (1 to 32):

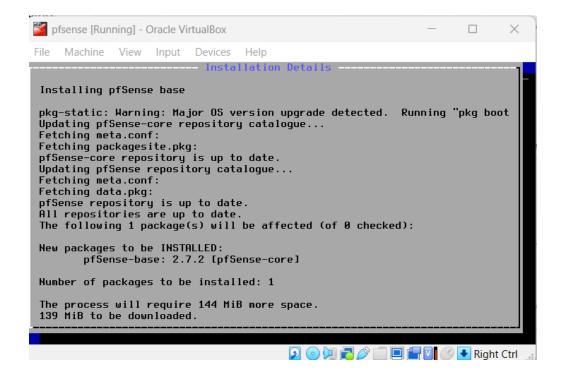
24

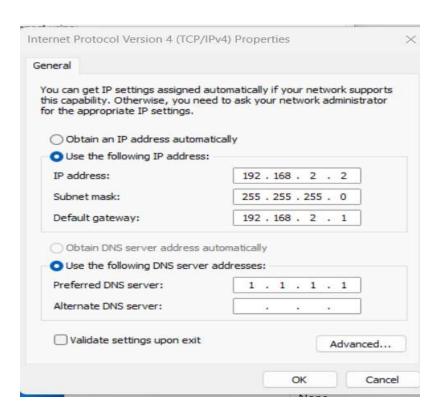
For a WAN, enter the new LAN IPv4 upstream gateway address.

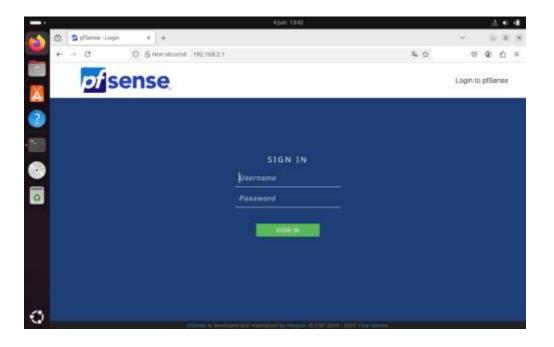
Tor a LAN, press <ENTER> for none:
```

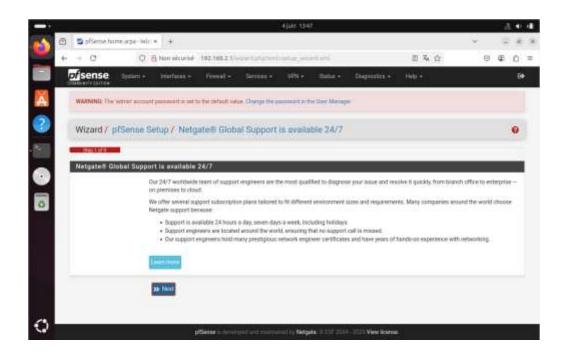


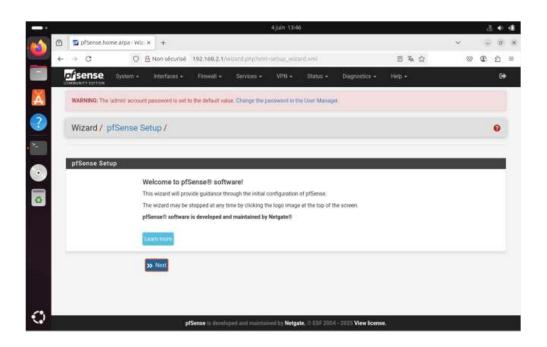
```
The IPv4 LAN address has been set to 192.168.2.1/24
The IPv6 LAN address has been set to dhcp6
Press <ENTER> to continue.
VirtualBox Virtual Machine - Netgate Device ID: 504553a9479ddc5cd5d0
*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***
WAN (wan)
                 -> em0
                                -> v4/DHCP4: 10.0.2.15/24
                                   v6/DHCP6: fd00::a00:27ff:fe48:a5f1/64
LAN (lan)
                 -> em1
                                -> v4: 192.168.2.1/24
                                        9) pfTop
10) Filter Logs
0) Logout (SSH only)
1) Assign Interfaces
2) Set interface(s) IP address
                                        11) Restart webConfigurator
3) Reset webConfigurator password
                                        12) PHP shell + pfSense tools
                                        13) Update from console
14) Enable Secure Shell (sshd)
4) Reset to factory defaults
5) Reboot system
6) Halt system
                                        15) Restore recent configuration
 7) Ping host
                                        16) Restart PHP-FPM
8) Shell
Enter an option: 🛮
```

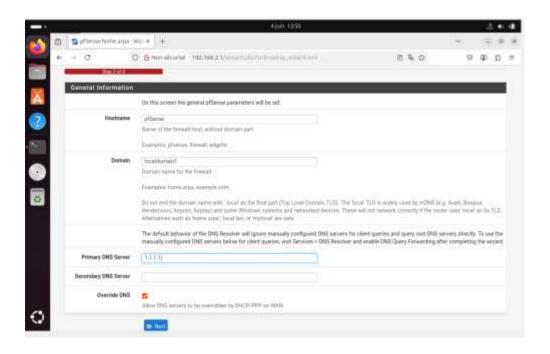


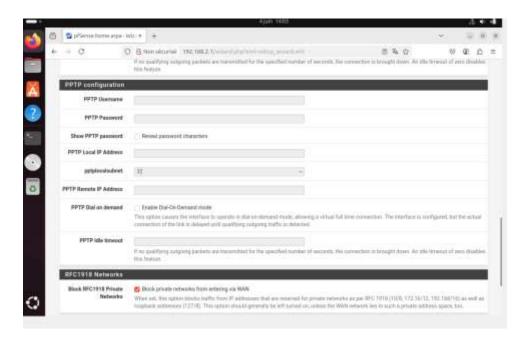


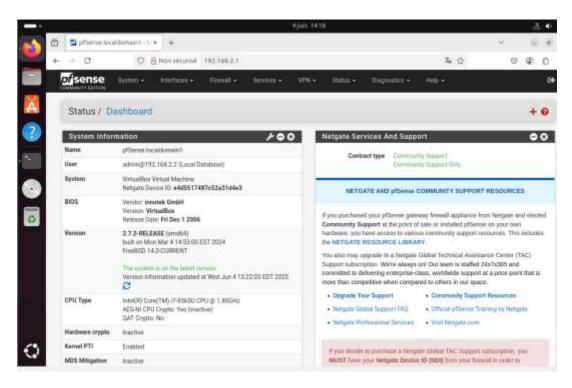




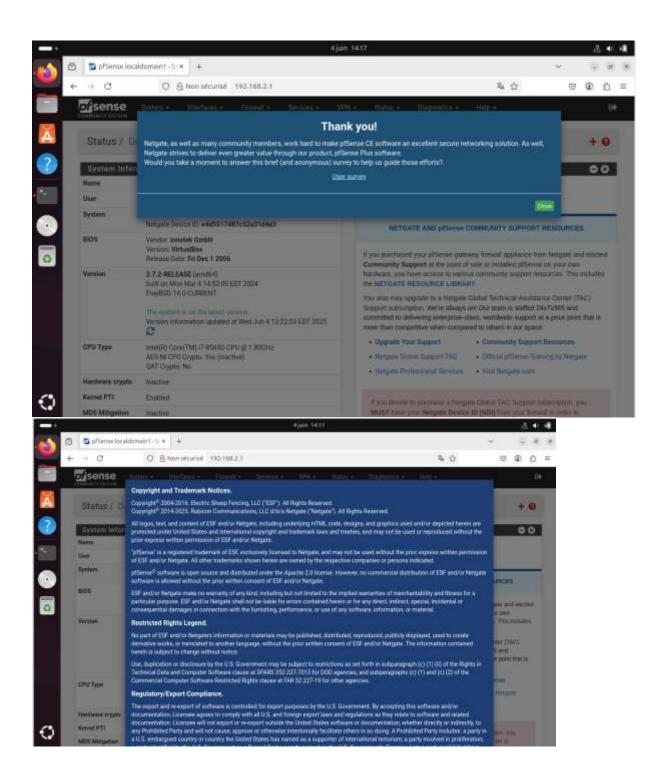


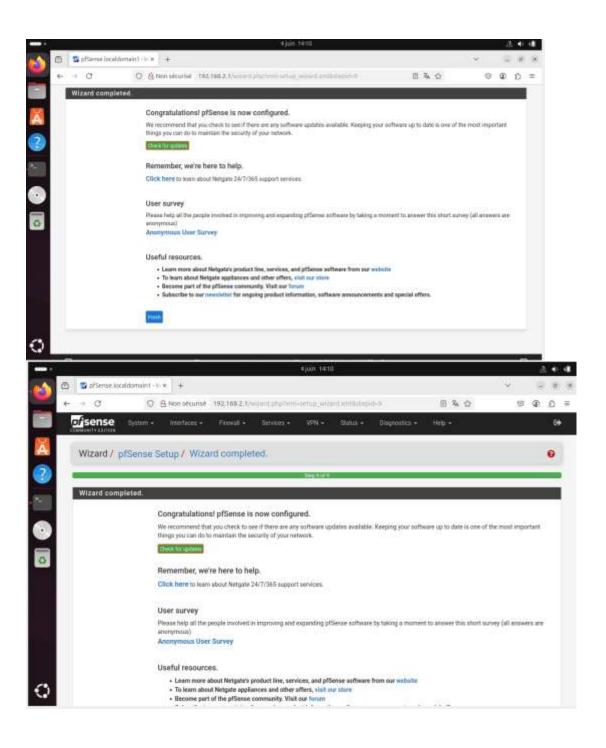


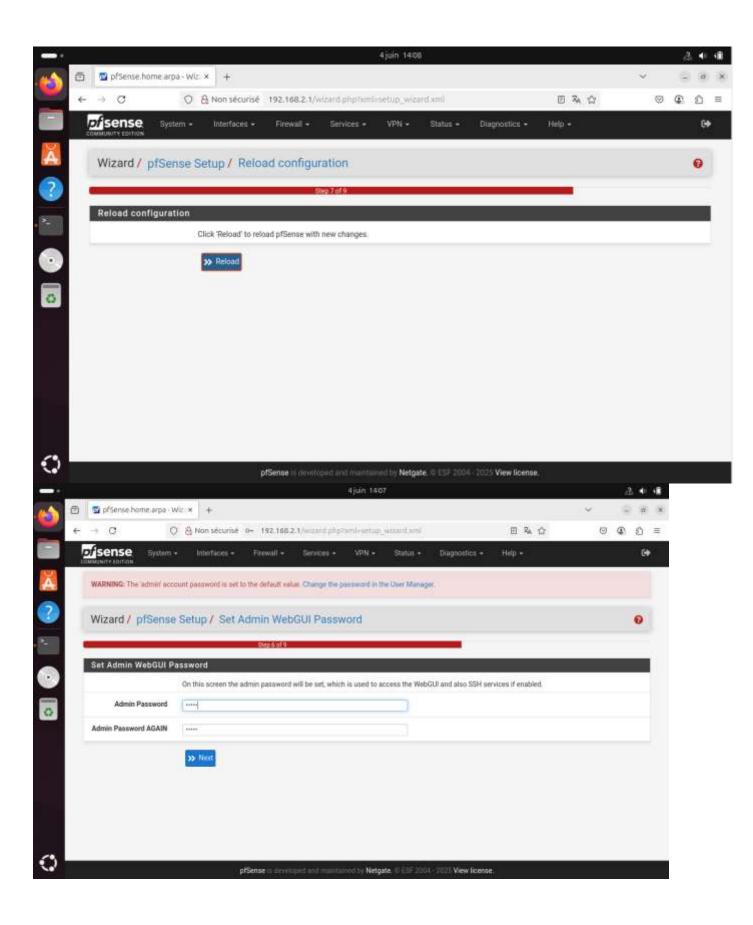


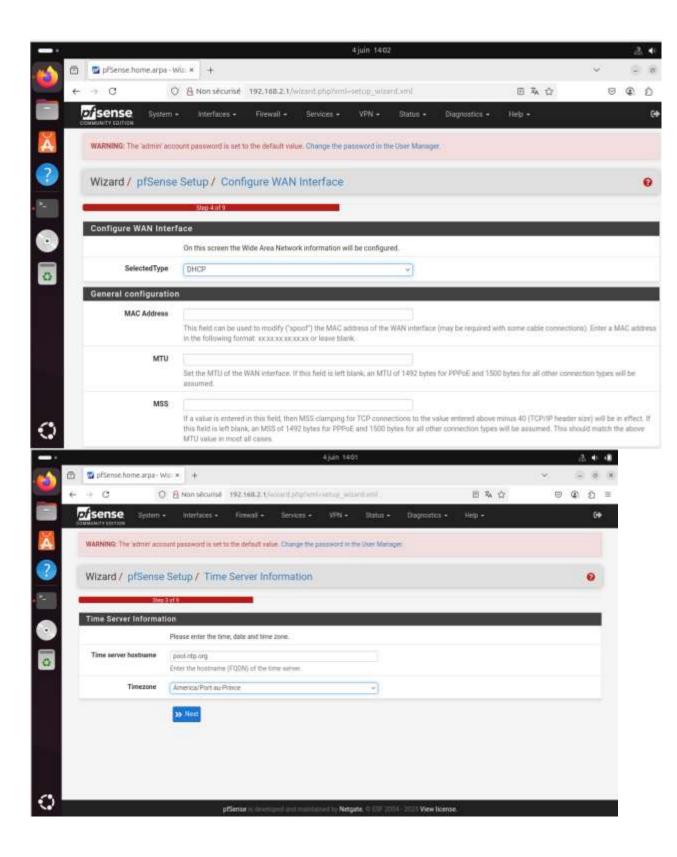


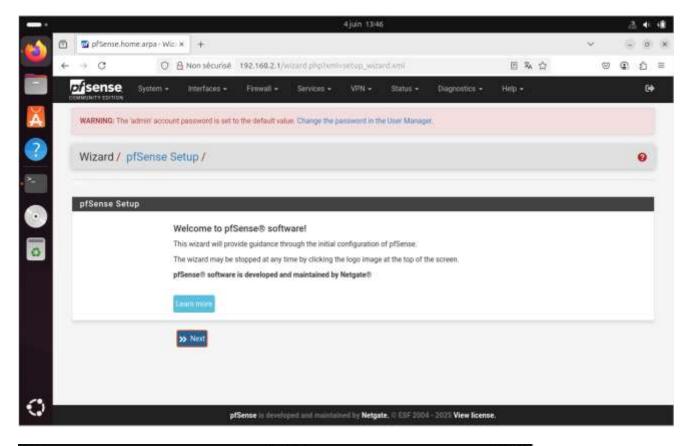














Conclusion

Ce TD me montre comment installer et configurer Pfsense sur une machine virtuelle.