

# **INSTITUT UNIVERSITAIRE DES SCIENCES**

**Faculté des Sciences et de Technologies**

**(FST)**

## **Td8 Réseau 2**

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**BYRON**

**Prénom :**

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**Niveau :**

**L3- Sciences Informatiques**

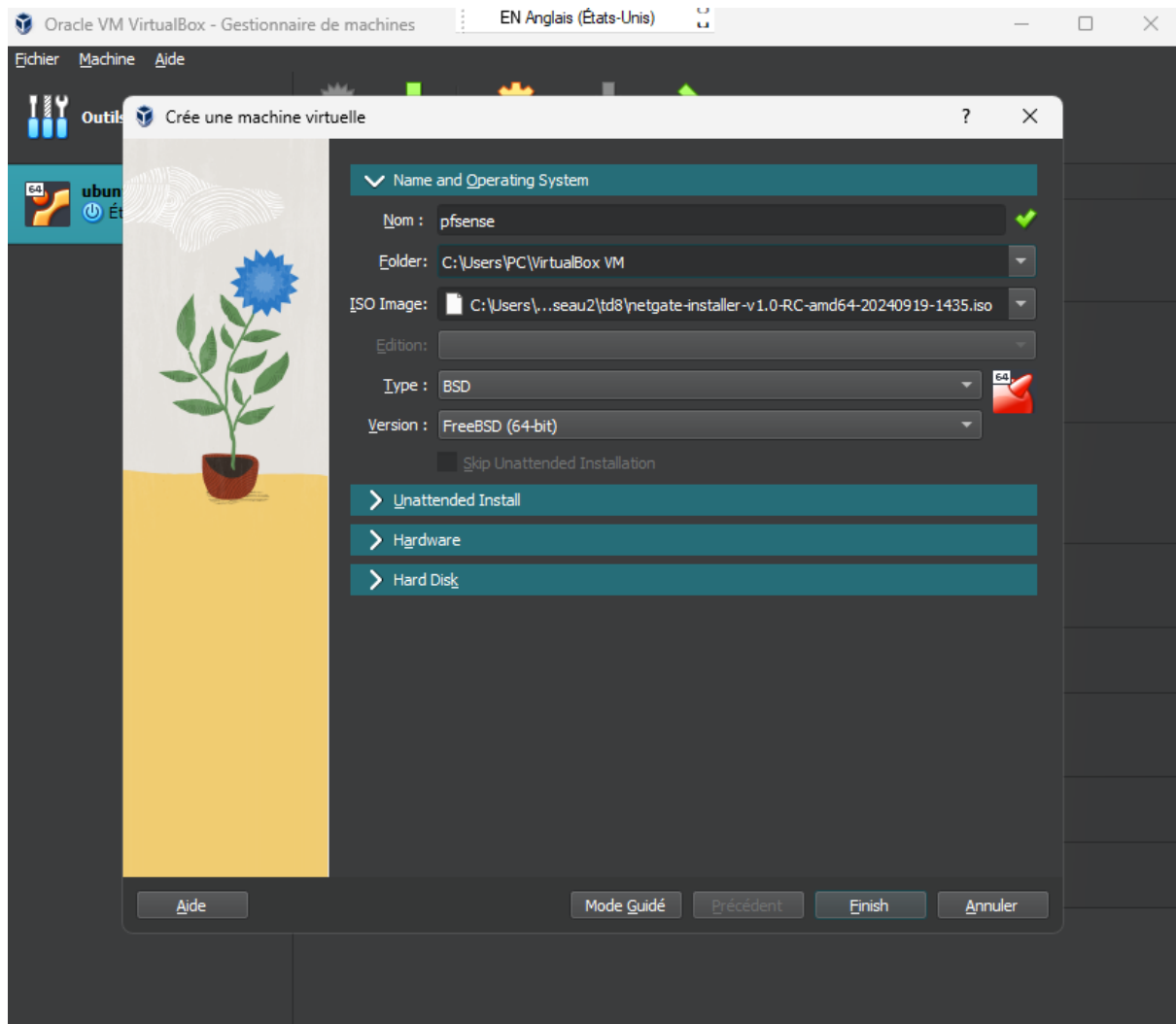
**Prof.:** Mr. Ismael Saint-AMOUR

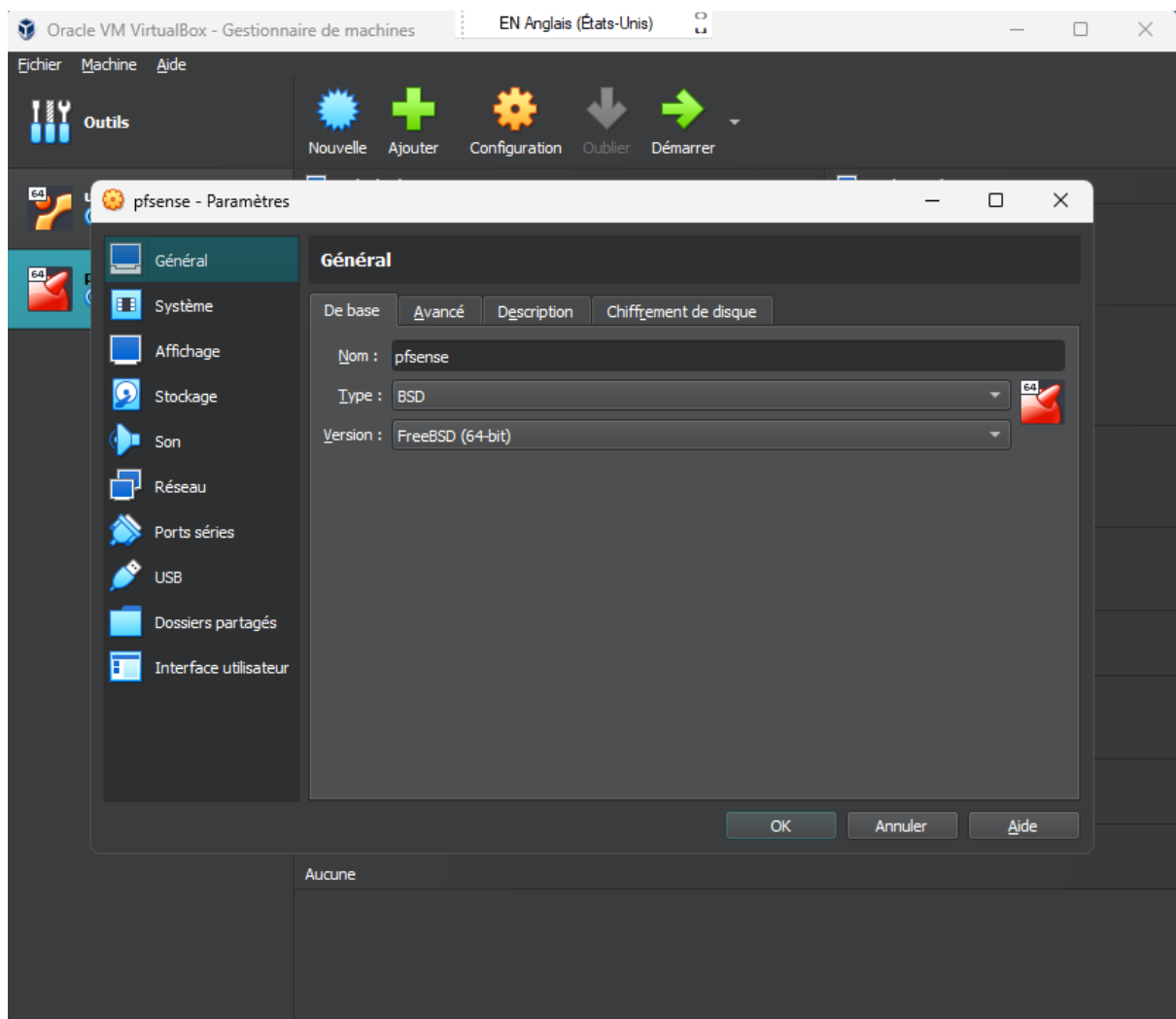
**Date:** 04/06/2025

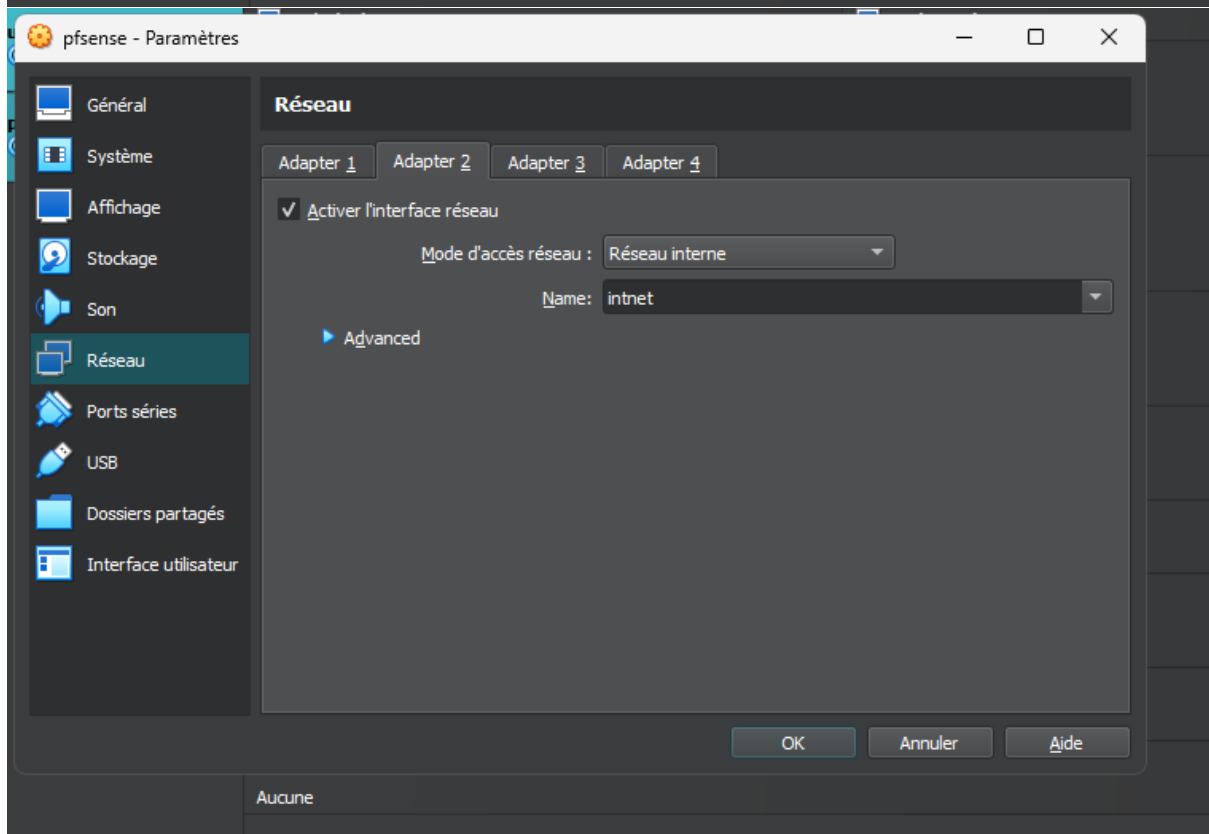
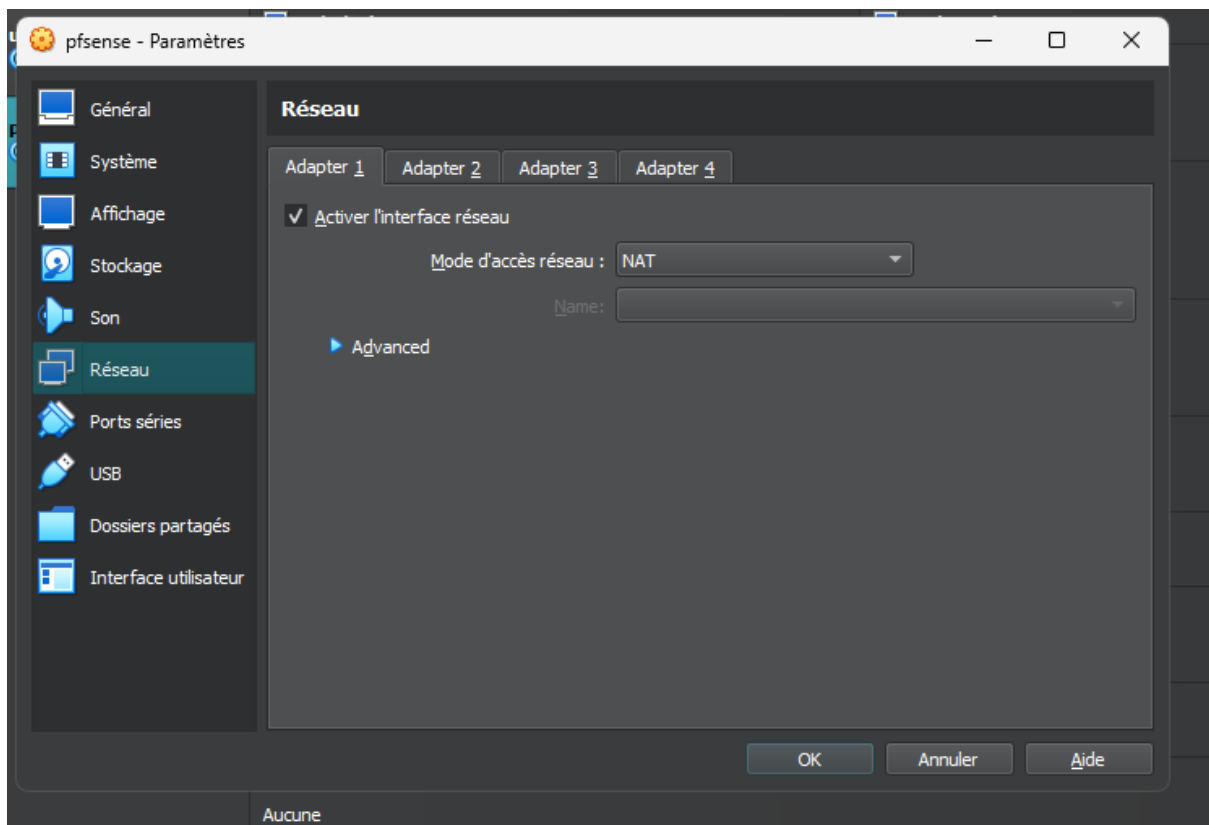
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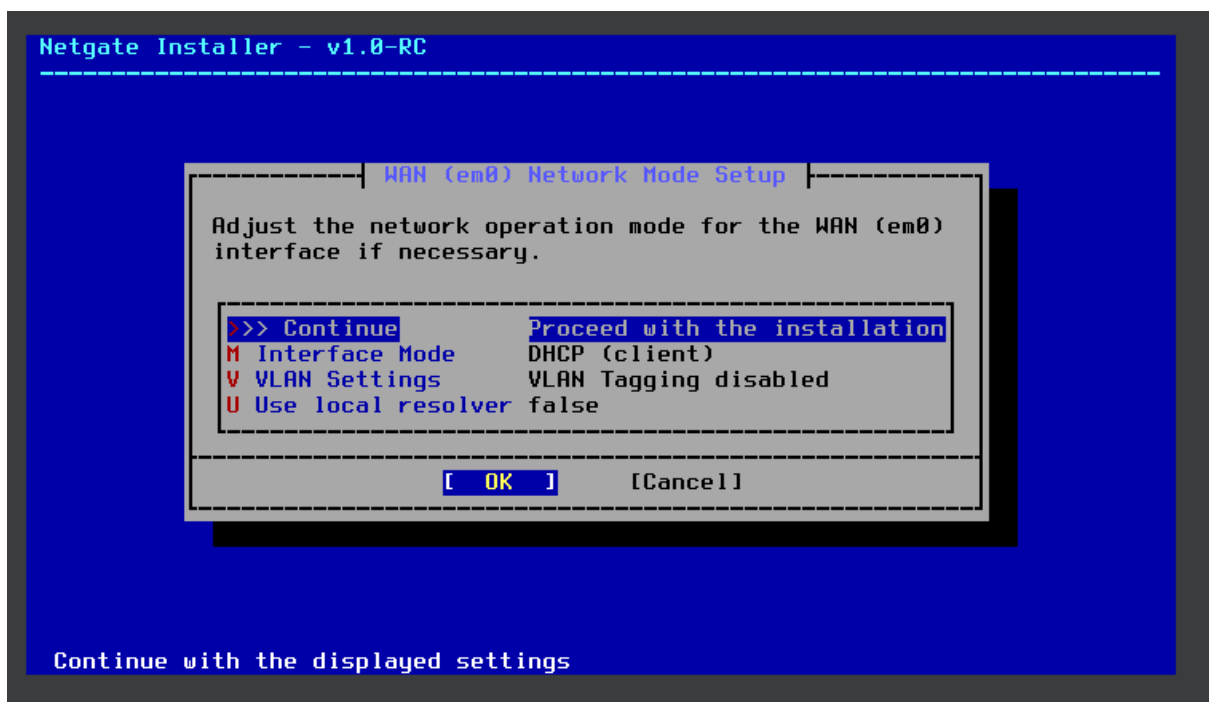
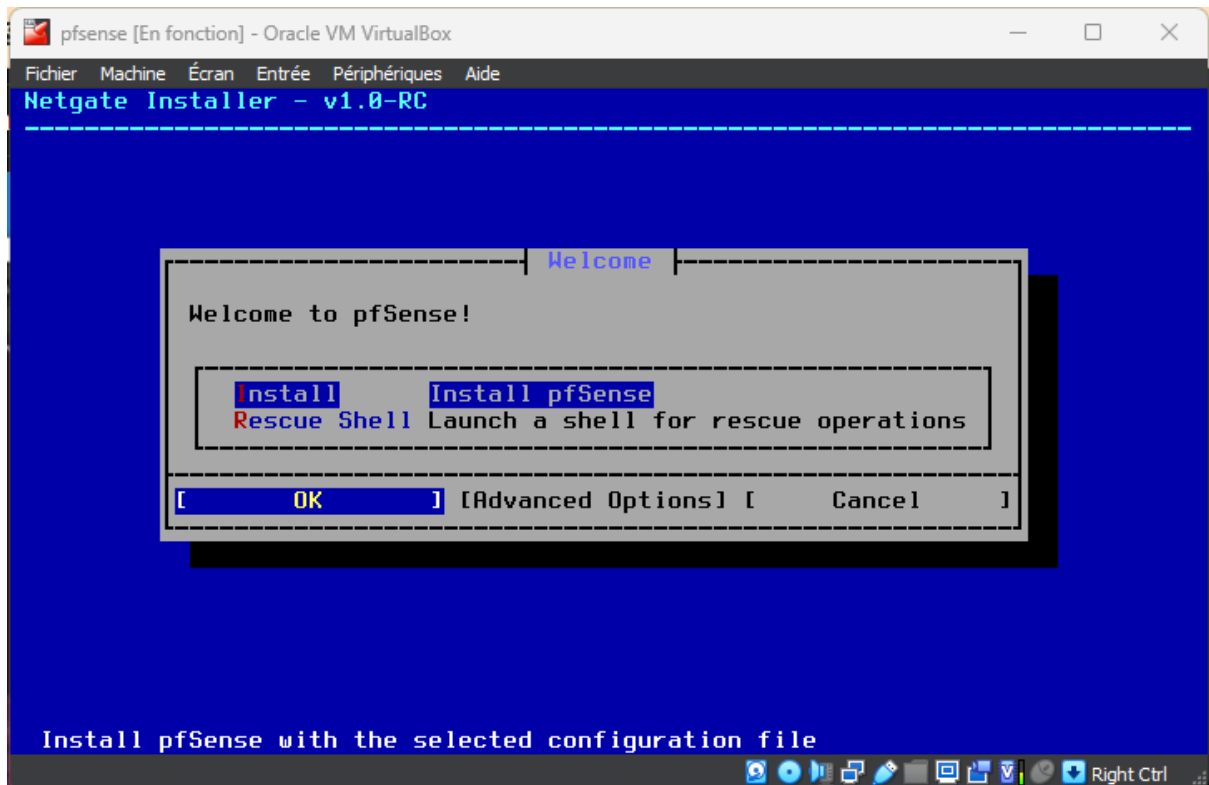
→ 1. Installer et Configurer PfSense sur un VM

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Netgate Installer - v1.0-RC

LAN Interface Assignment and Configuration

Please select the LAN interface.

**N**one Do not assign the LAN interface  
**e**m1 em1 08:00:27:b3:55:ba (active)

[ OK ] [ Skip ] [Cancel]

Netgate Installer - v1.0-RC

LAN (em1) Network Mode Setup

Adjust the network operation mode for the LAN (em1) interface if necessary.

<b>&gt;&gt;&gt;</b> Continue	Proceed with the installation
<b>M</b> Interface Mode	STATIC
<b>V</b> VLAN Settings	VLAN Tagging disabled
<b>I</b> IP Address	192.168.1.1/24
<b>D</b> DHCPD Enabled	true
<b>S</b> DHCPD Range Start	192.168.1.100
<b>E</b> DHCPD Range End	192.168.1.150

[ OK ] [Cancel]

Netgate Installer - v1.0-RC

Active Subscription Validation

This device does not have an active pfSense Plus subscription.

To purchase pfSense Plus:

Software Store: <https://www.netgate.com/purchase-plus>

NDI: 541c 5edc cf49 a56c b44e

and select 'Retry Validation' once purchase is complete.

Or select 'Install CE' to install pfSense CE software.

[ Install CE ]

[ Retry Validation ]

[ Cancel ]

Netgate Installer - v1.0-RC

Installation Options

Please select the File System type and the Partition Scheme.

>> Continue

Proceed with the installation

F File System

ZFS (recommended default)

P Partition Scheme

GPT (compatible with MBR)

[ OK ]

[ Cancel ]

Continue with the displayed settings

Netgate Installer - v1.0-RC

Installation Options

Please select the File System type and the Partition Scheme.

>> Continue	Proceed with the installation
F File System	ZFS (recommended default)
P Partition Scheme	GPT (compatible with MBR)

[ OK ] [Cancel]

Continue with the displayed settings

Netgate Installer - v1.0-RC

Disk Selection

Select the disk(s) for software installation.

[X] da0 16G <VBOX HARDDISK>

[ OK ] [Cancel]



# Netgate Installer - v1.0-RC

## Software Version to Install

Select the version of pfSense CE to install.

0000-devel RC Version 2.8.0  
001-2.7.2 Current Stable Release (2.7.2)  
002-2.7.0 Deprecated Version (2.7.0)

[ OK ] [Cancel]

## Installation Details

Message from drm-510-kmod-5.10.163\_8:

--

The drm-510-kmod port can be enabled for amdgpu (for AMD GPUs starting with the HD7000 series / Tahiti) or i915kms (for Intel APUs starting with HD3000 / Sandy Bridge) through kld\_list in /etc/rc.conf. radeonkms for older AMD GPUs can be loaded and there are some positive reports if EFI boot is NOT enabled (similar to amdgpu).

For amdgpu: kld\_list="amdgpu"  
For Intel: kld\_list="i915kms"  
For radeonkms: kld\_list="radeonkms"

Please ensure that all users requiring graphics are members of the "video" group.

pfSense Post Installation setup

pfSense Post Installation setup .. done.

< OK >

```

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

Enter an option: 2

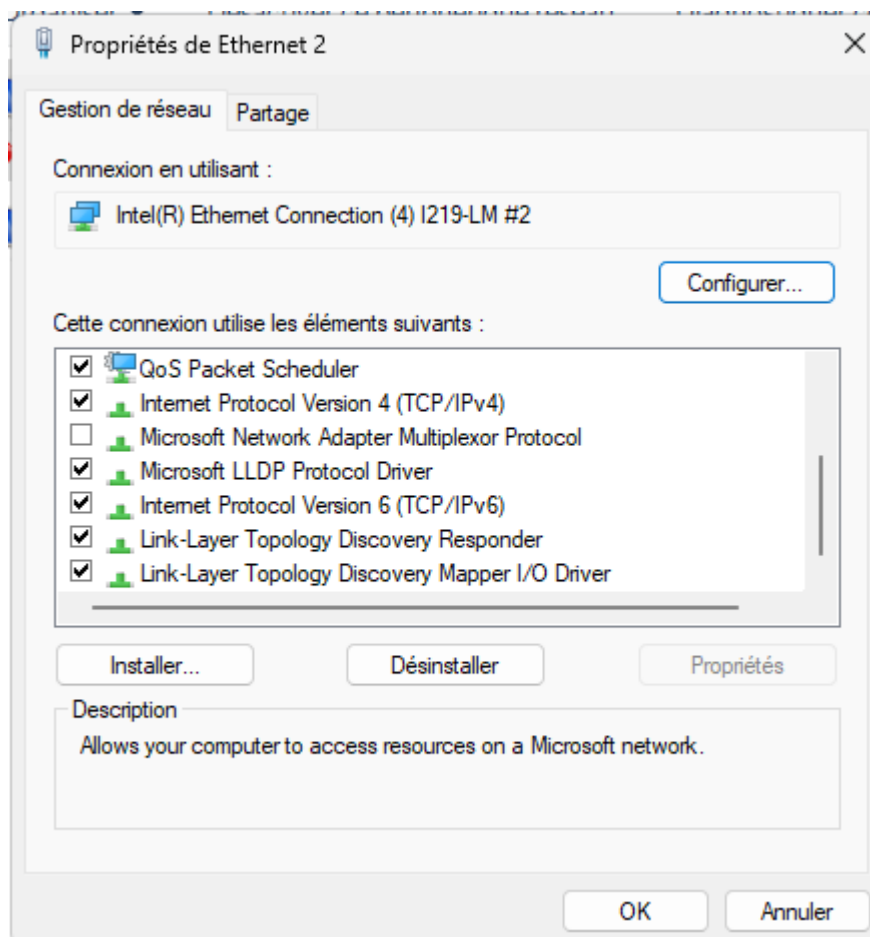
Available interfaces:

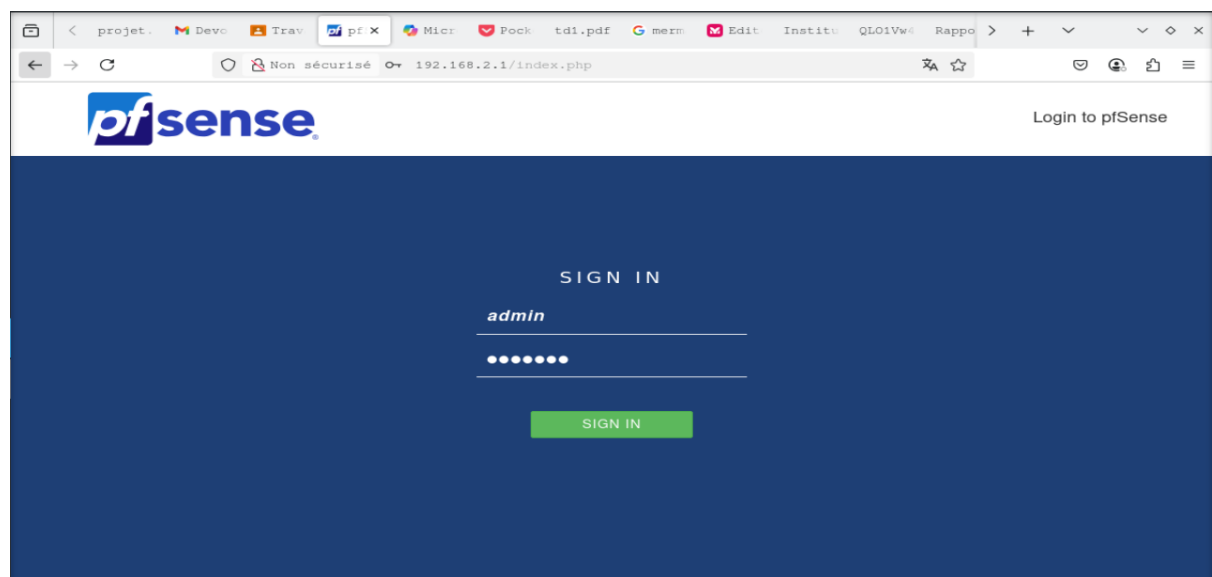
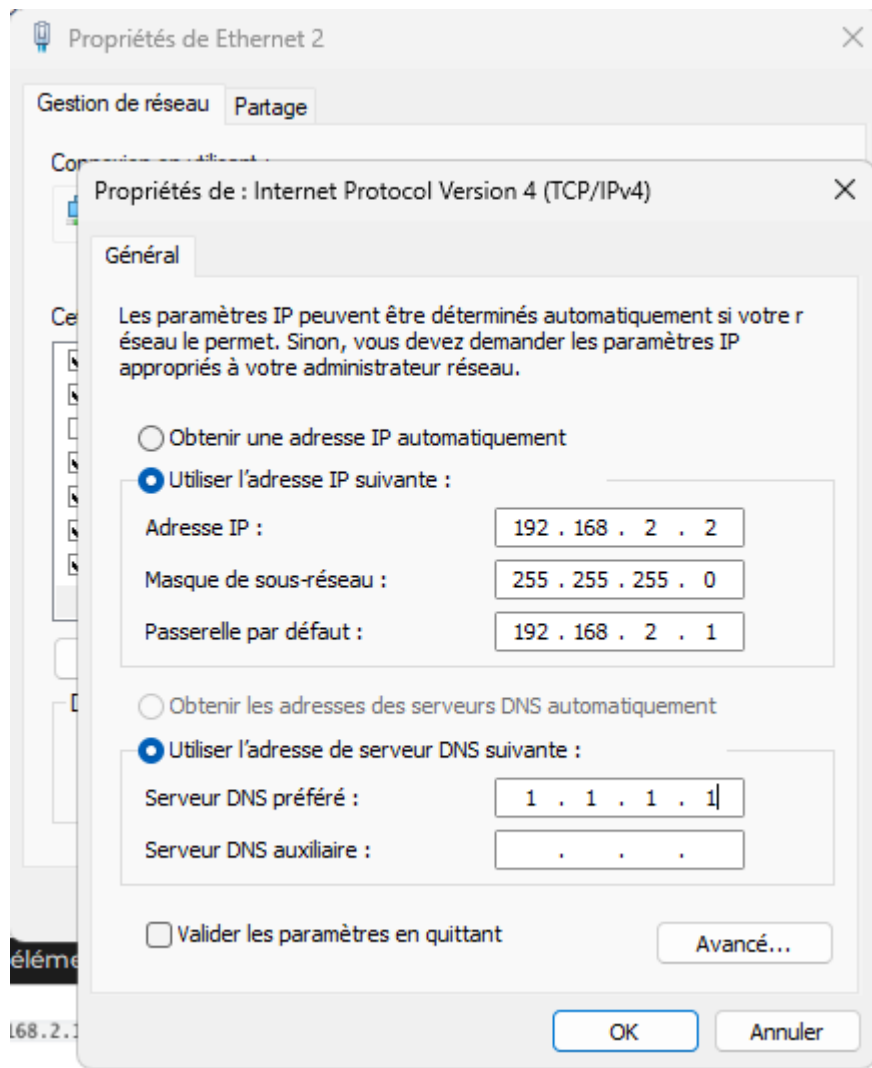
1 - WAN (em0 - dhcp, dhcp6)
2 - LAN (em1 - dhcp, dhcp6)

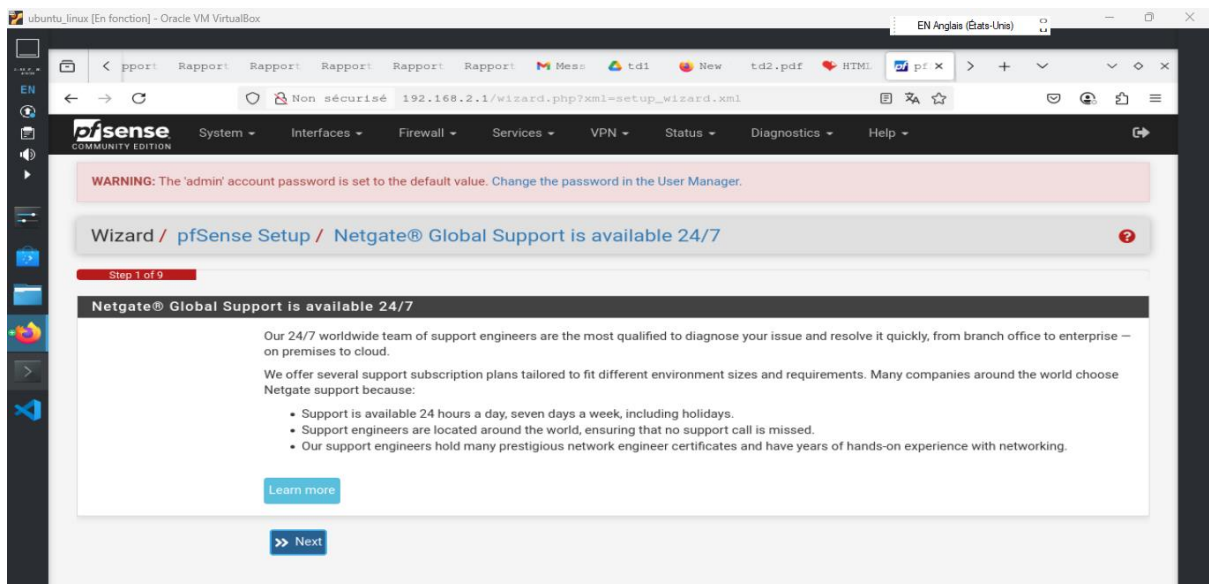
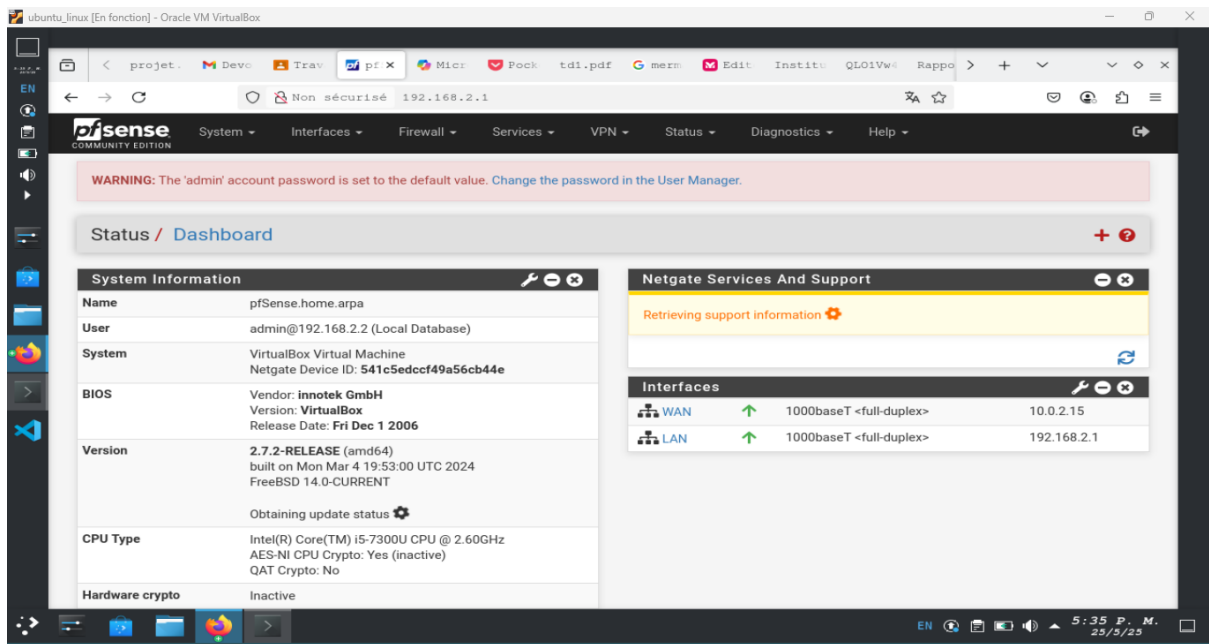
Enter the number of the interface you wish to configure: 2

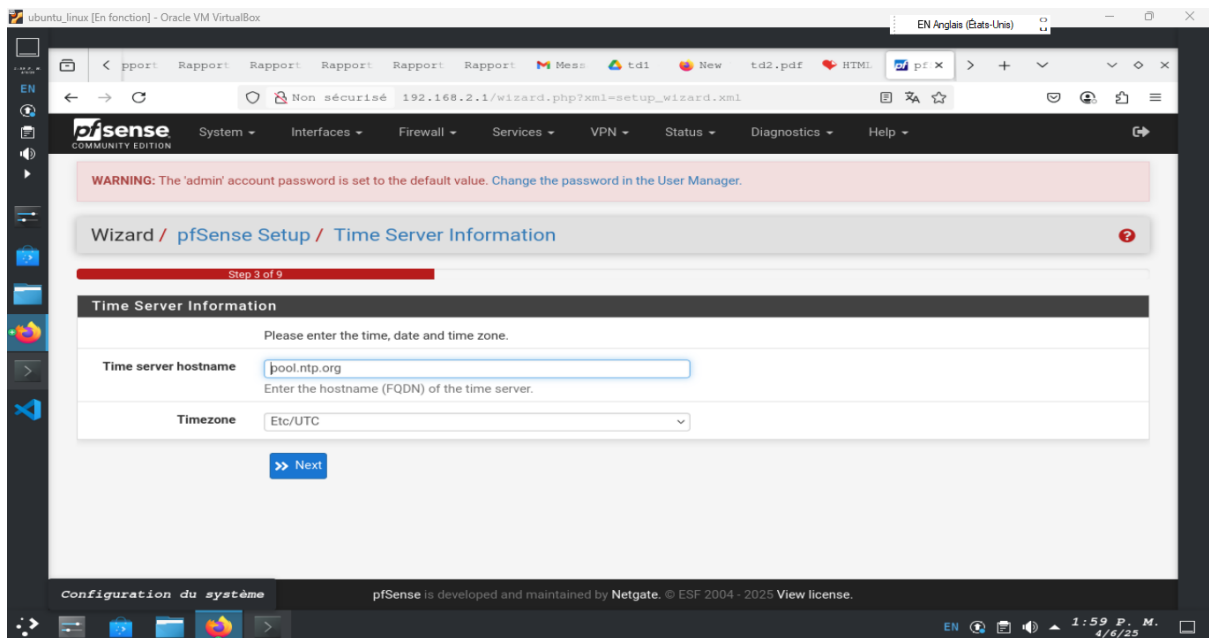
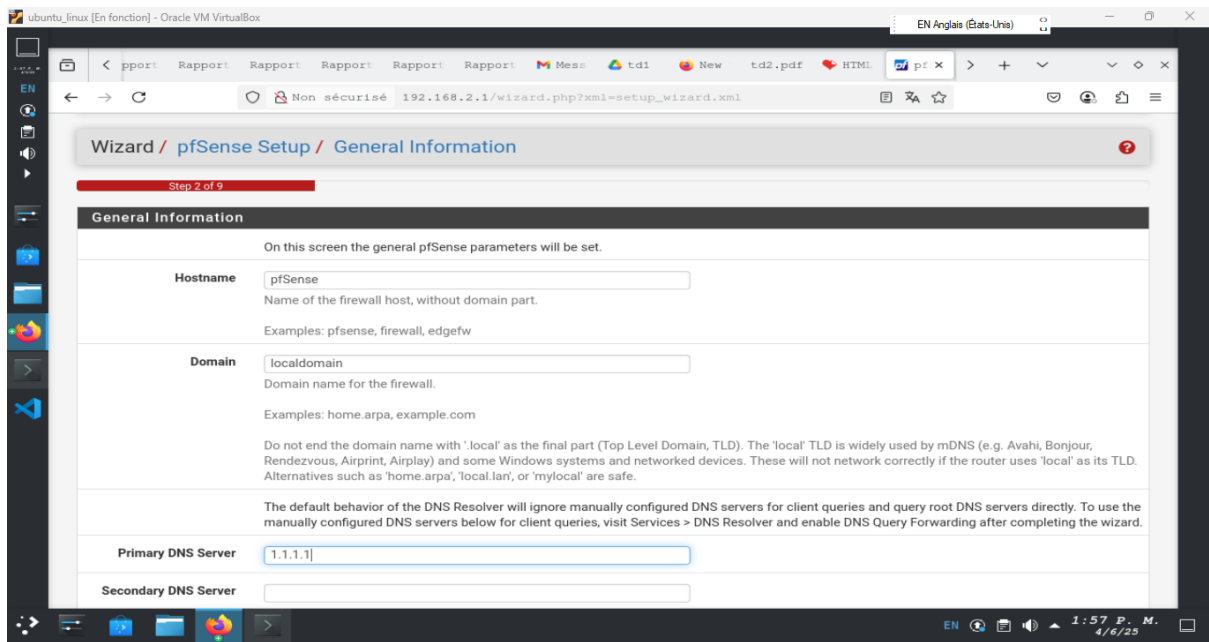
Configure IPv4 address LAN interface via DHCP? (y/n) y
Configure IPv6 address LAN interface via DHCP6? (y/n) n
Enter the new LAN IPv6 address. Press <ENTER> for none:
> 192.168.2.1

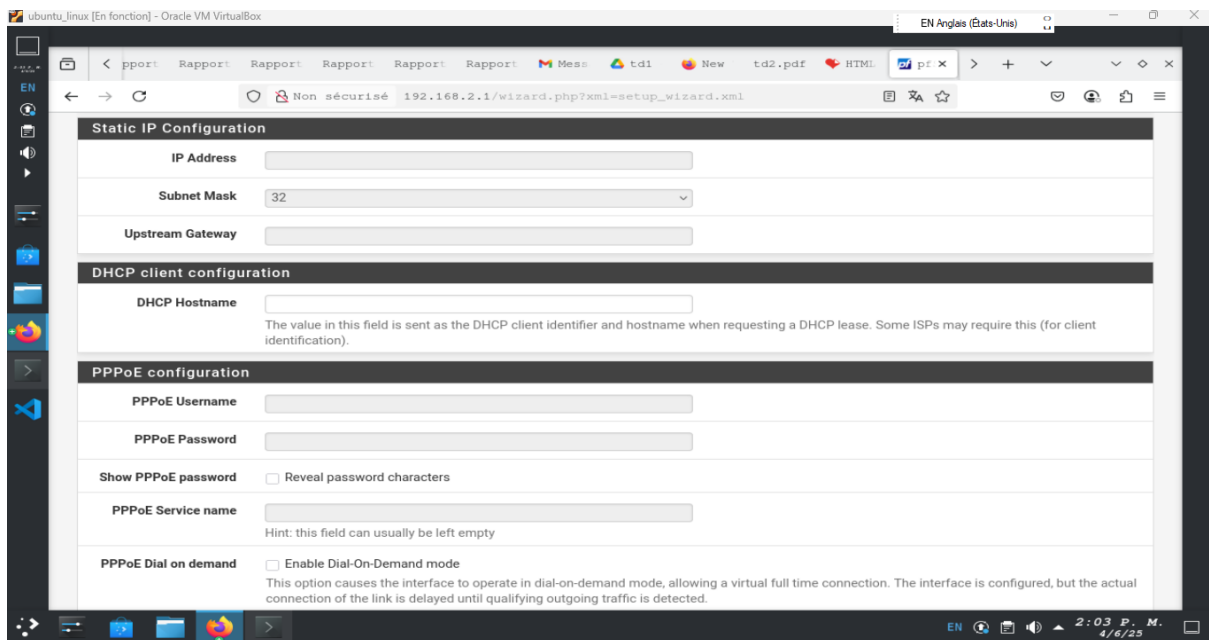
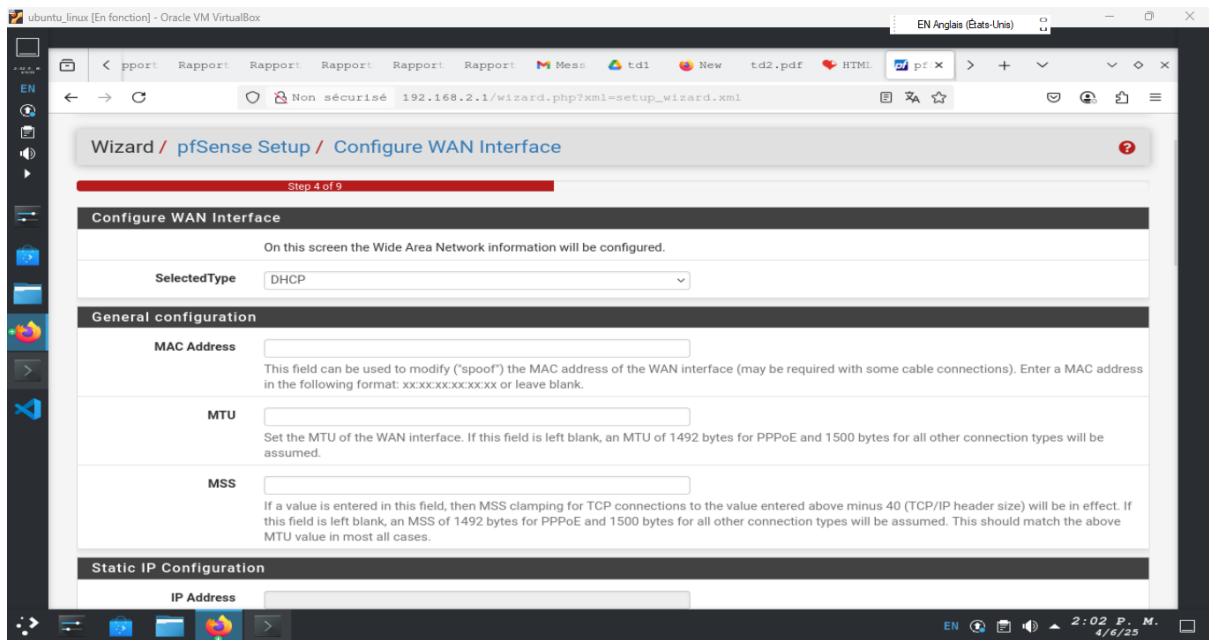
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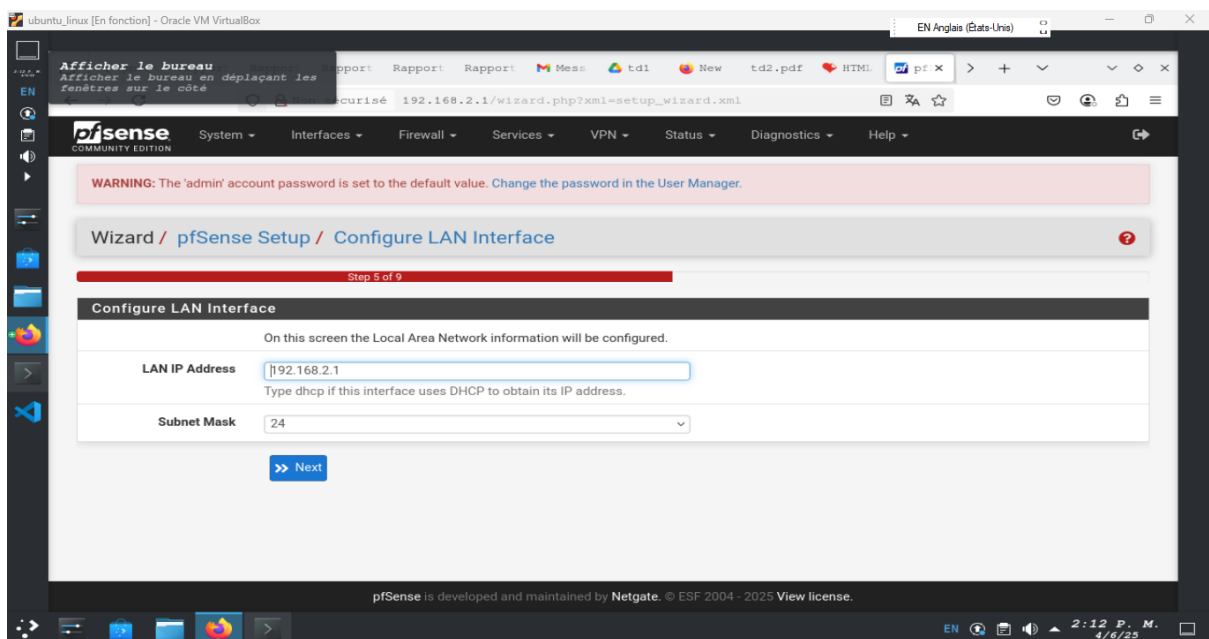
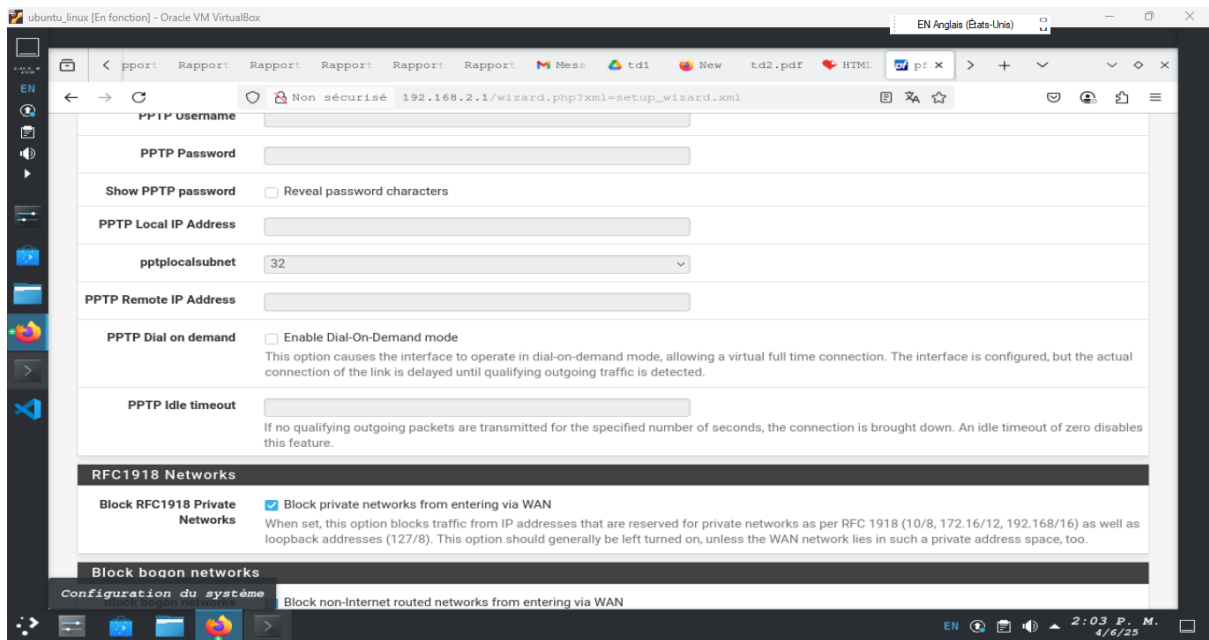


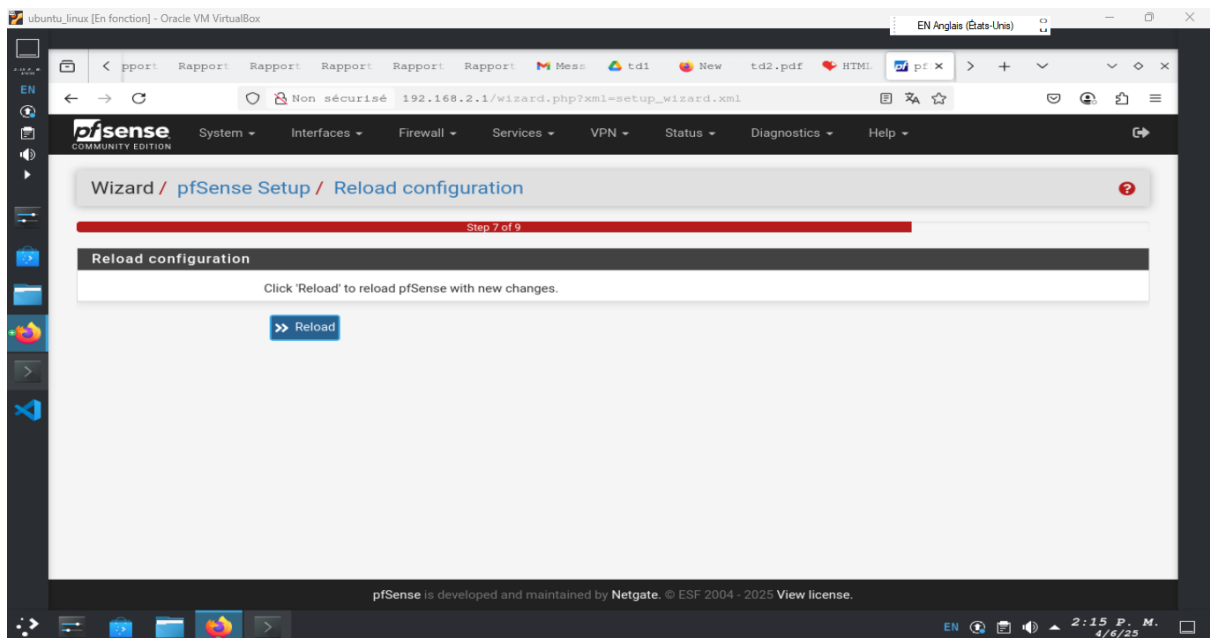
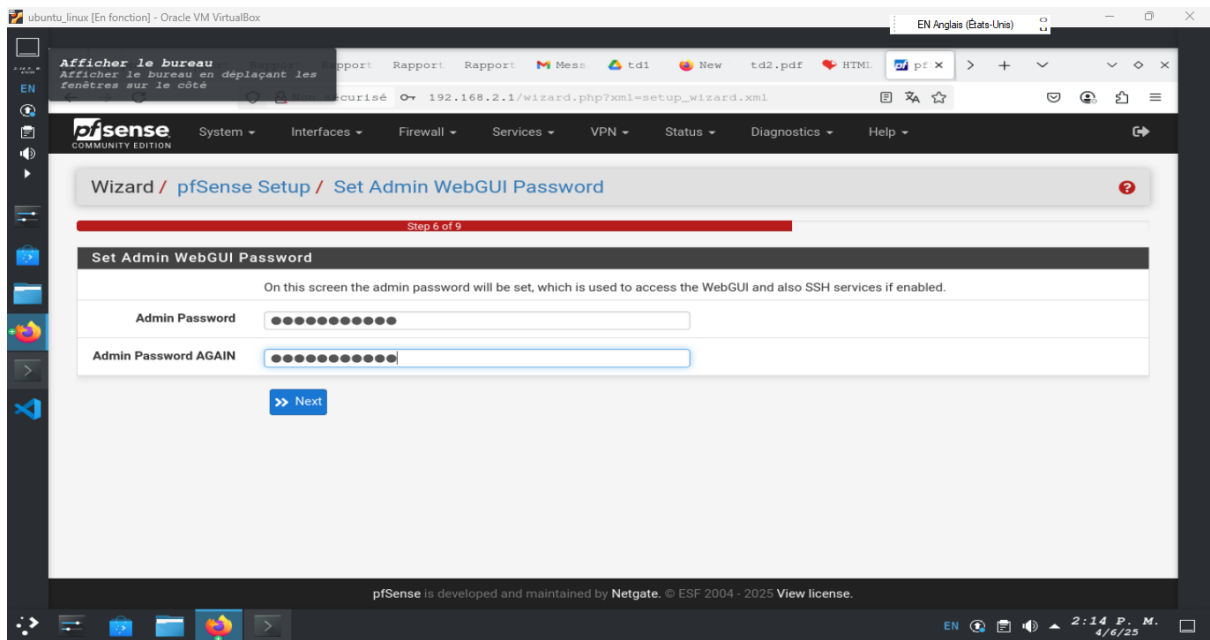




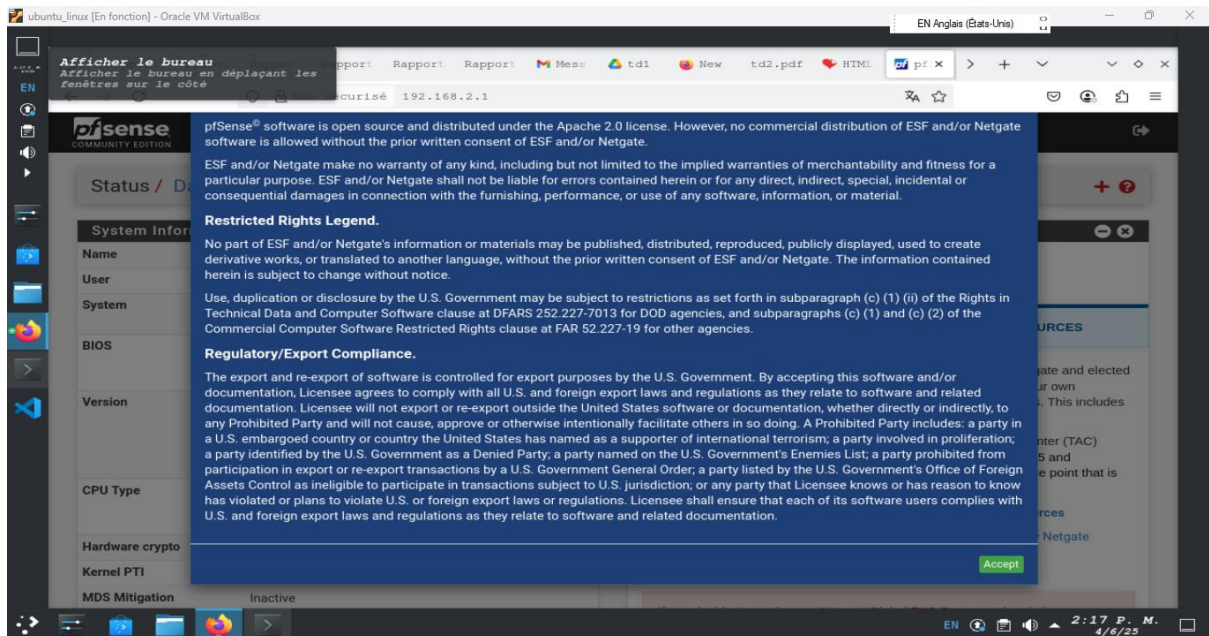
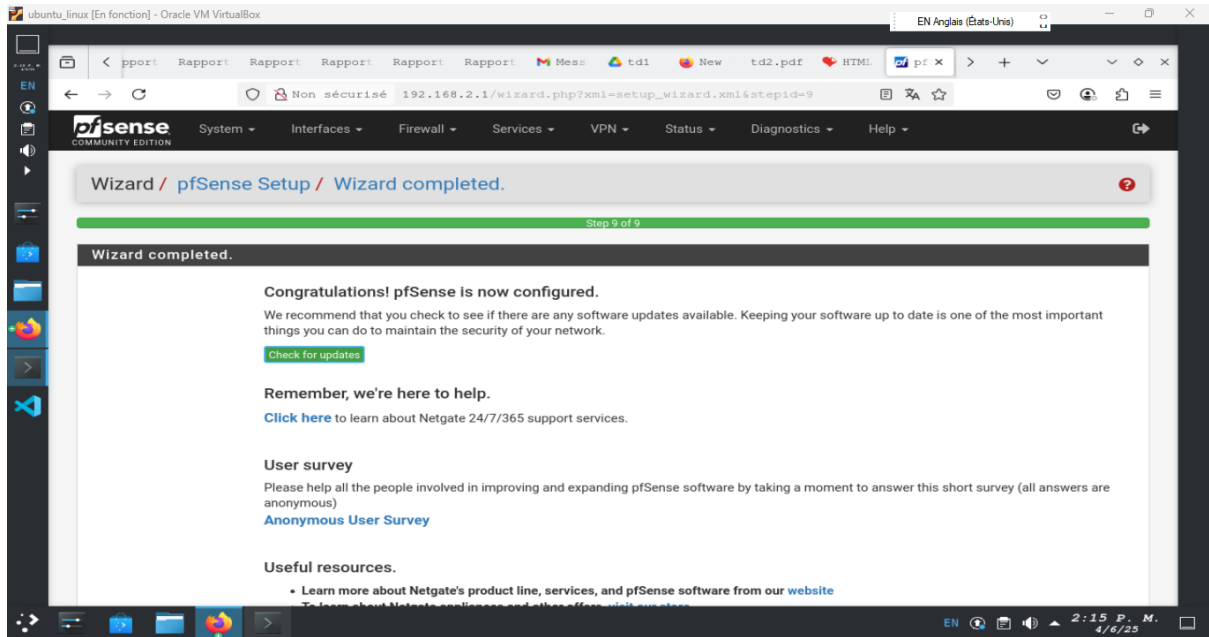


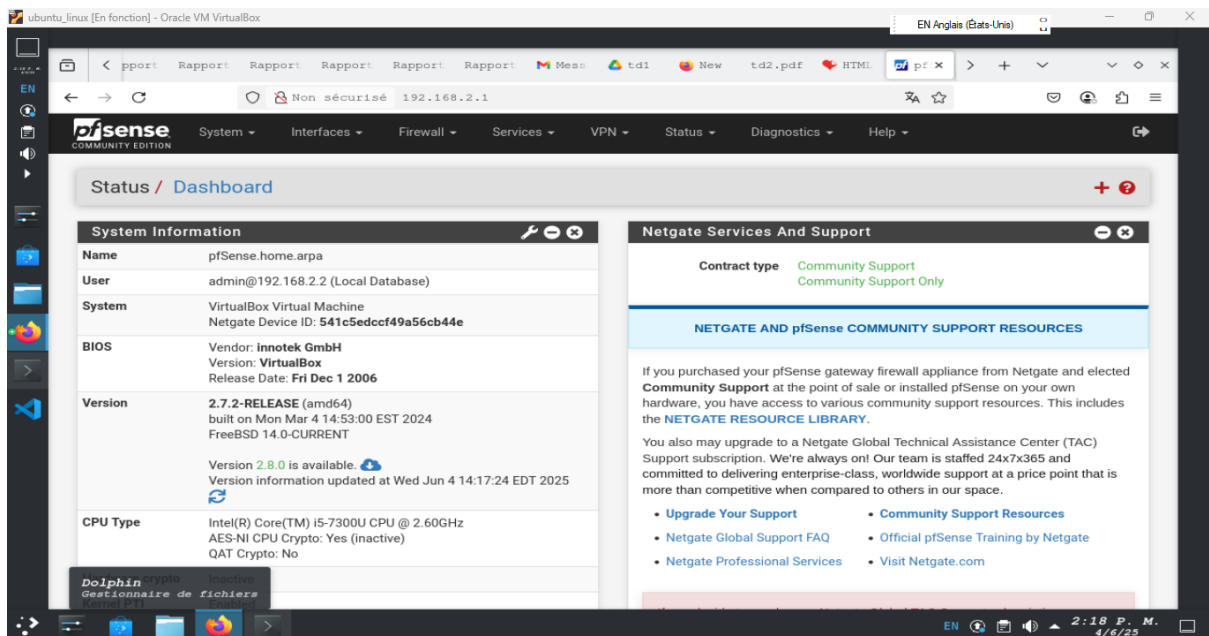
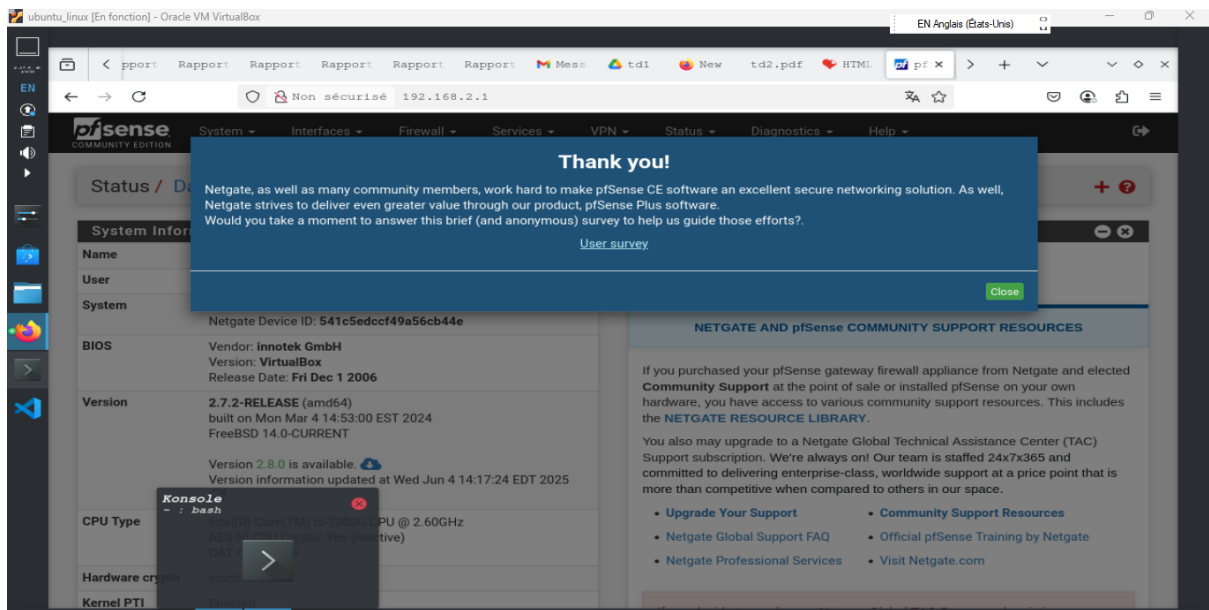


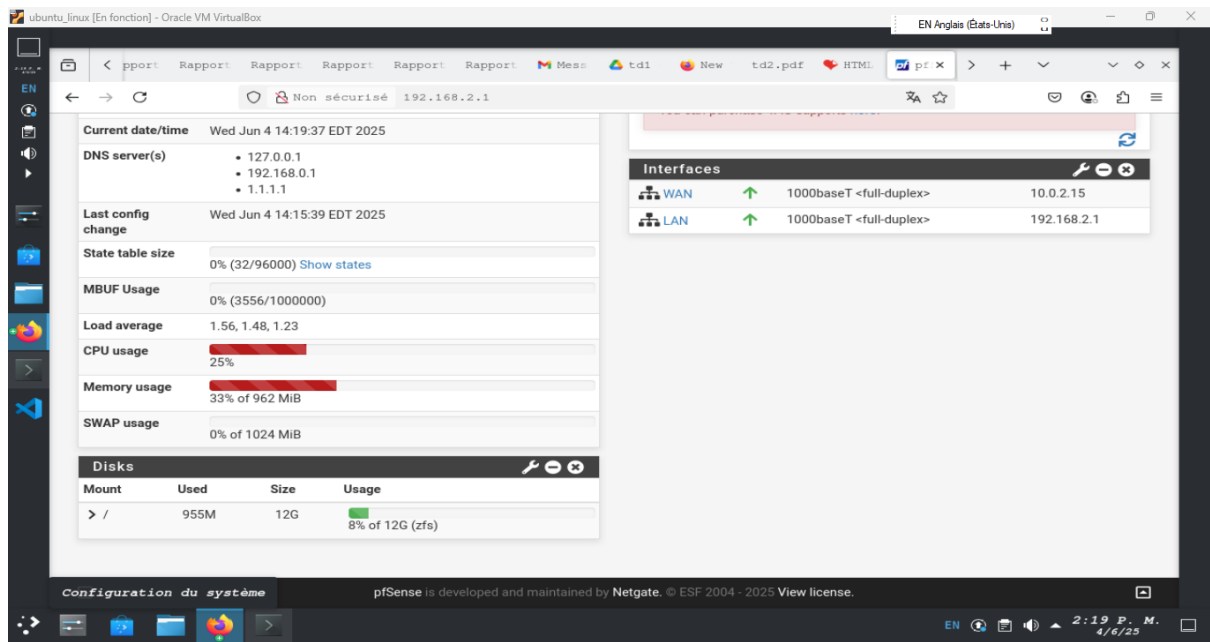












En conclusion, ce TD me permet d'installer et de configurer Pfsense.