

Institut Universitaire des Sciences (IUS)

**Faculté des Sciences et Technologies
(FST)**

RAPPORT SUR LE TRAVAIL DE LABORATOIRE N° 8

Cours : Reseau 2

Soumis au Chargé de cours : **Ismael SAINT AMOUR**

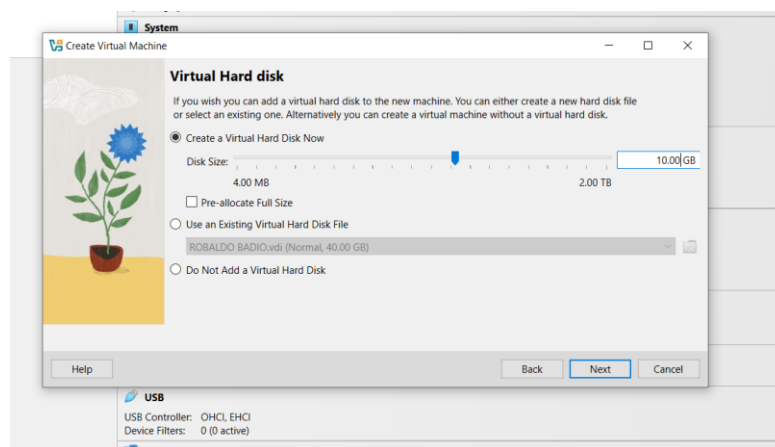
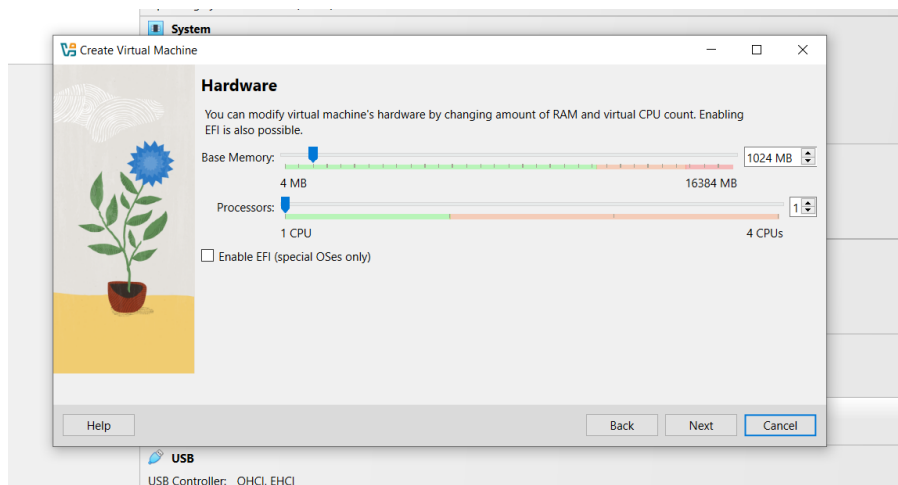
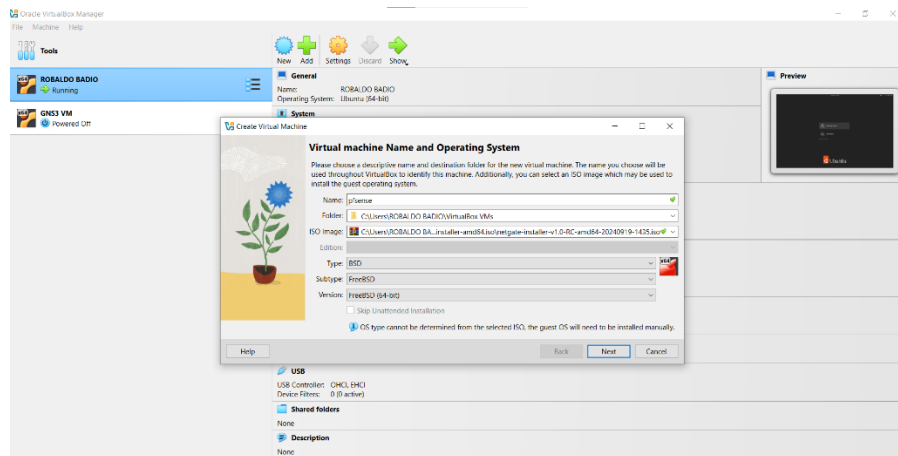
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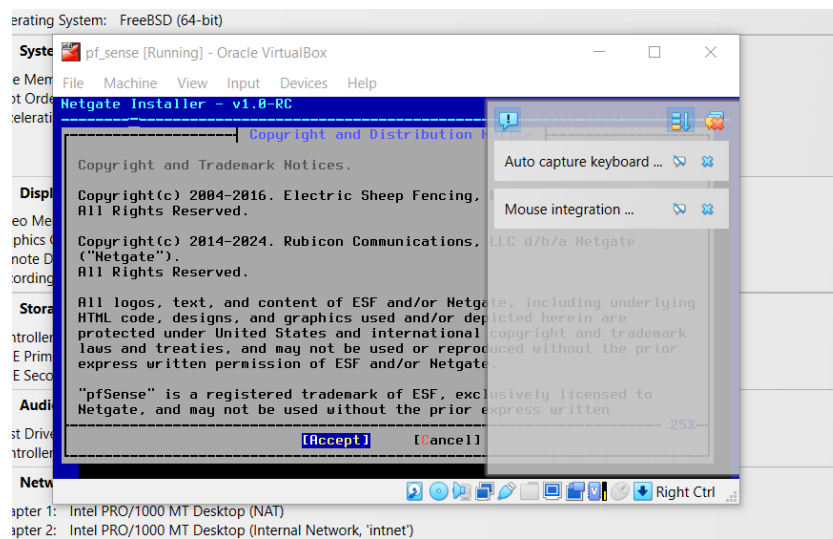
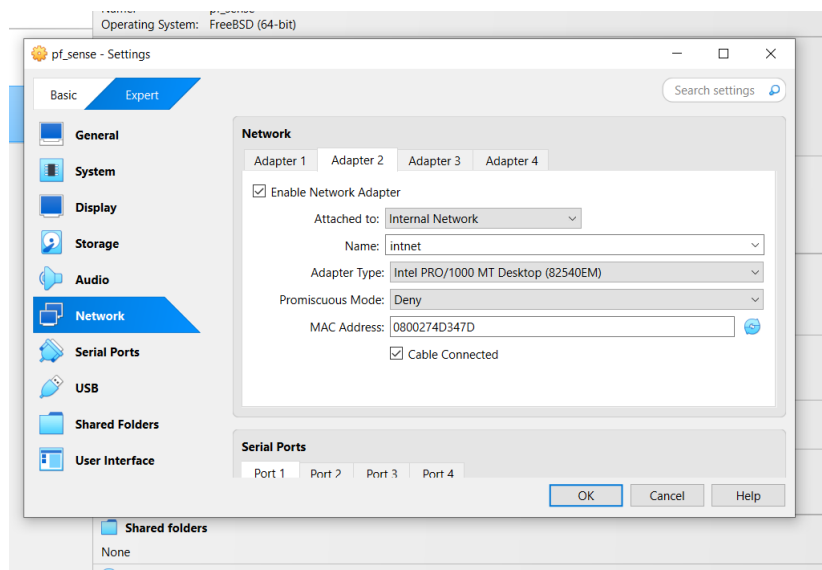
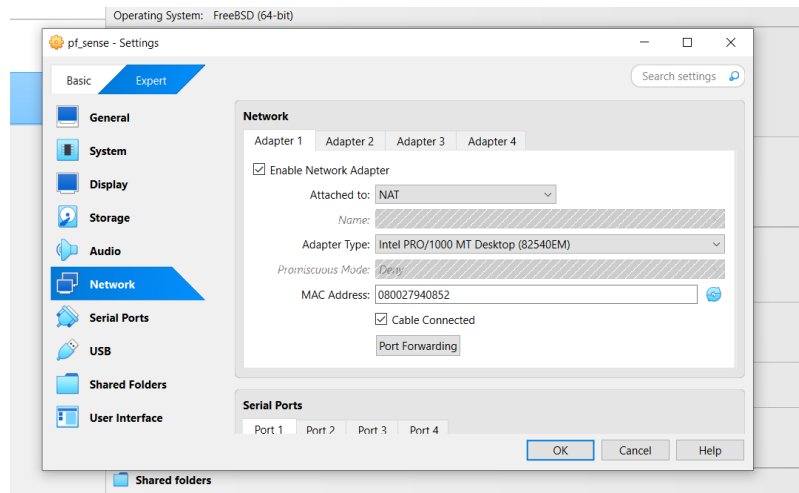
Préparé par : **Robaldo BADIO**

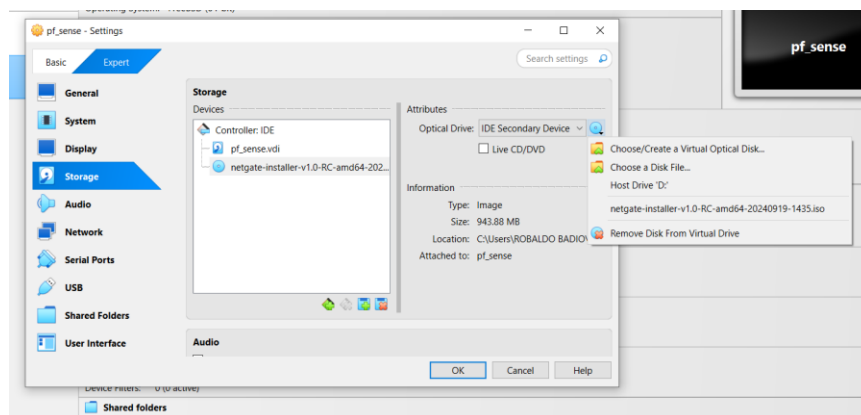
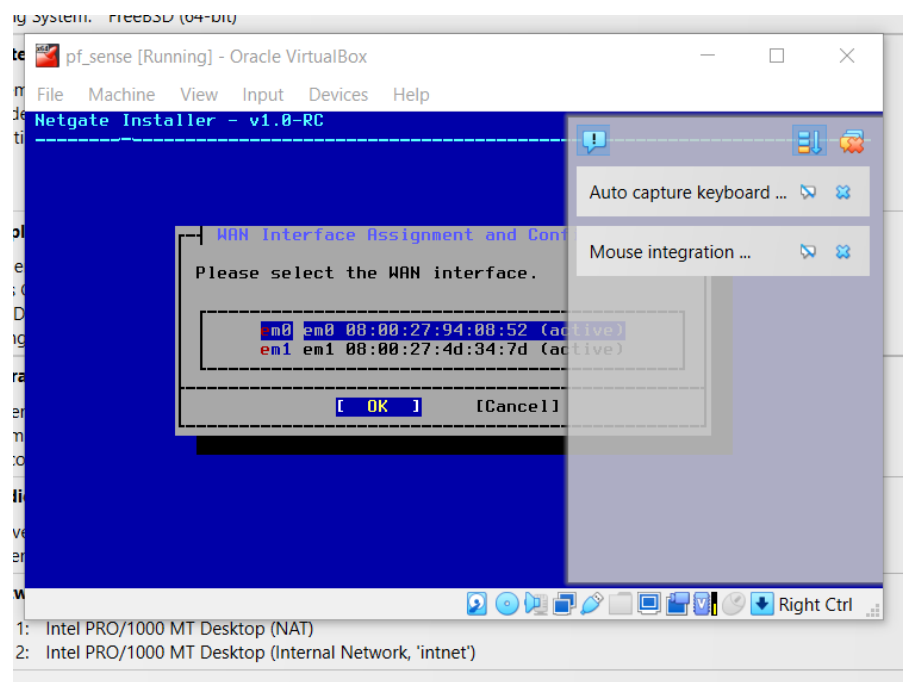
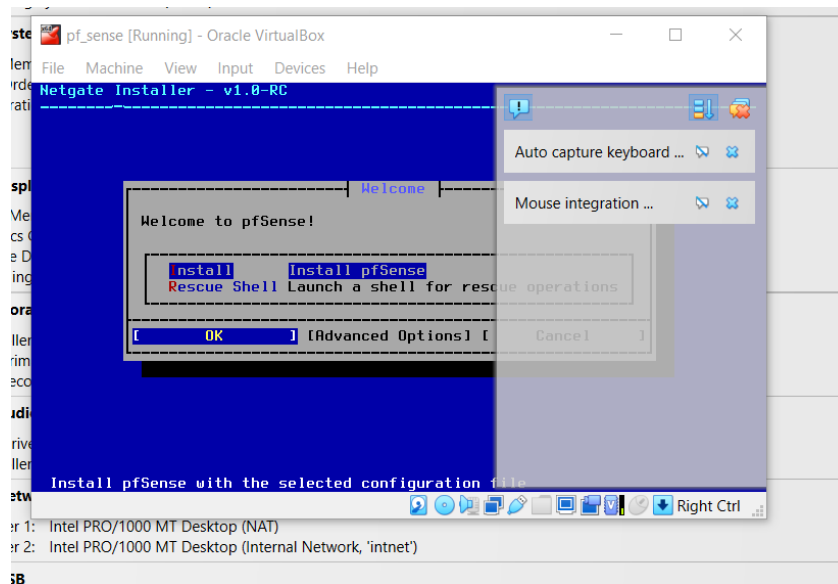
Date : Le 26 / 05 / 2025

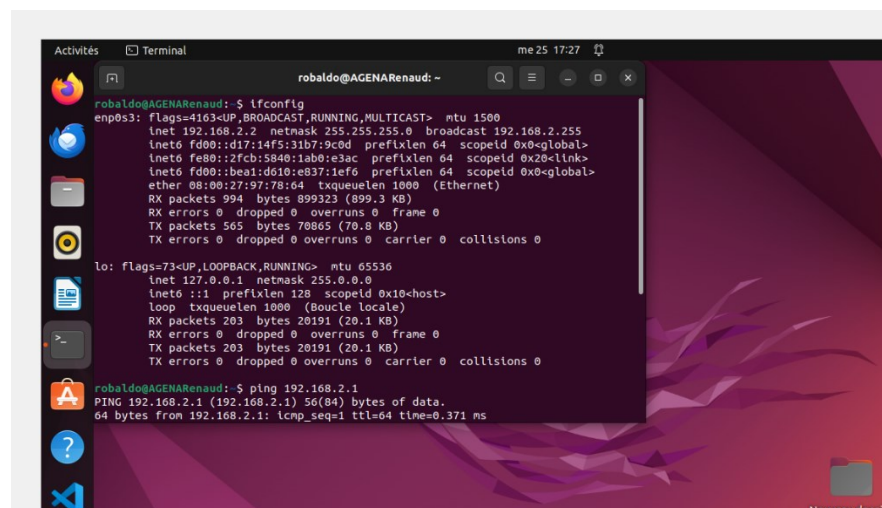
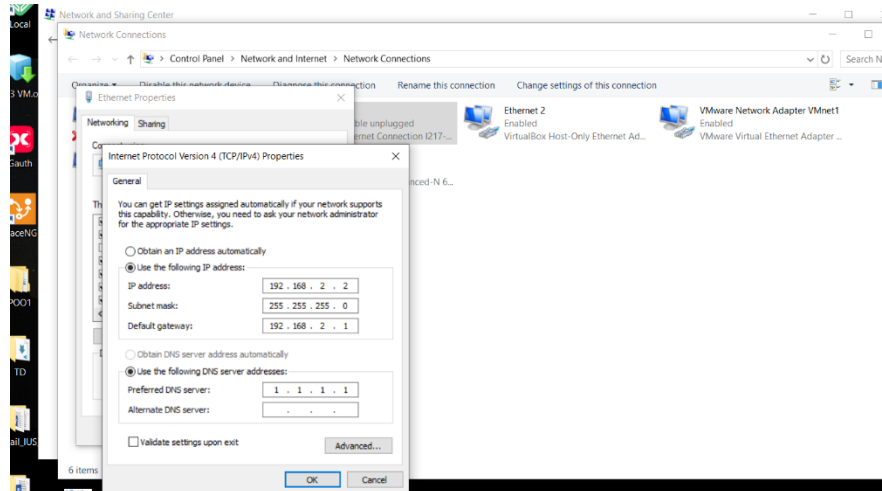
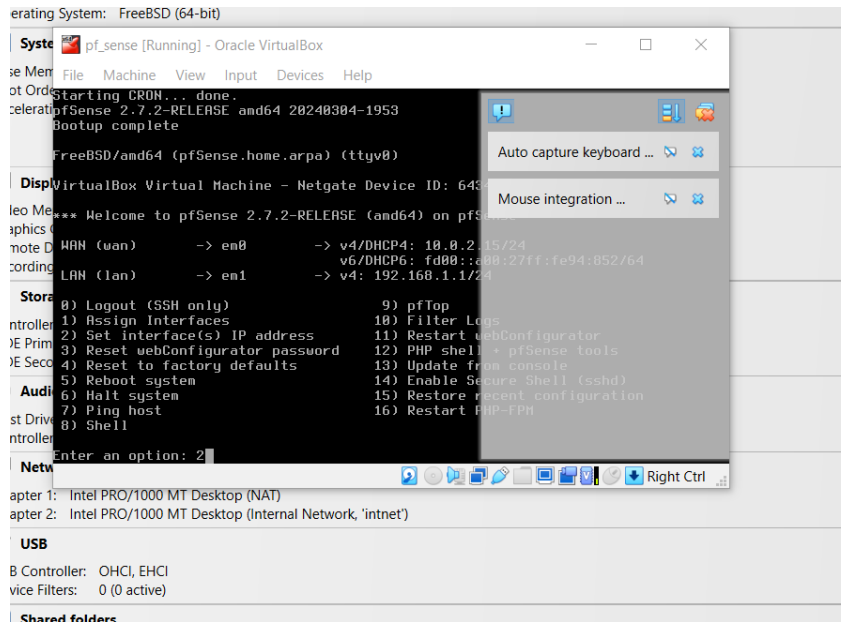
Exécution du TD

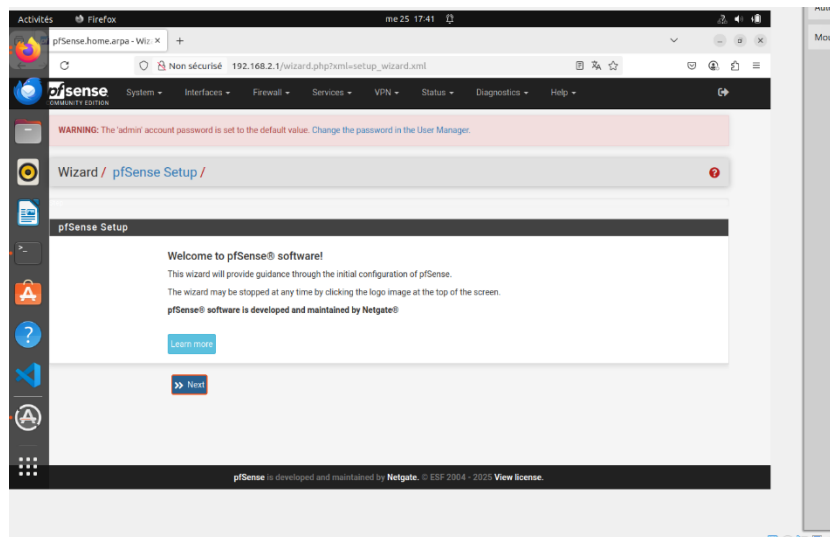
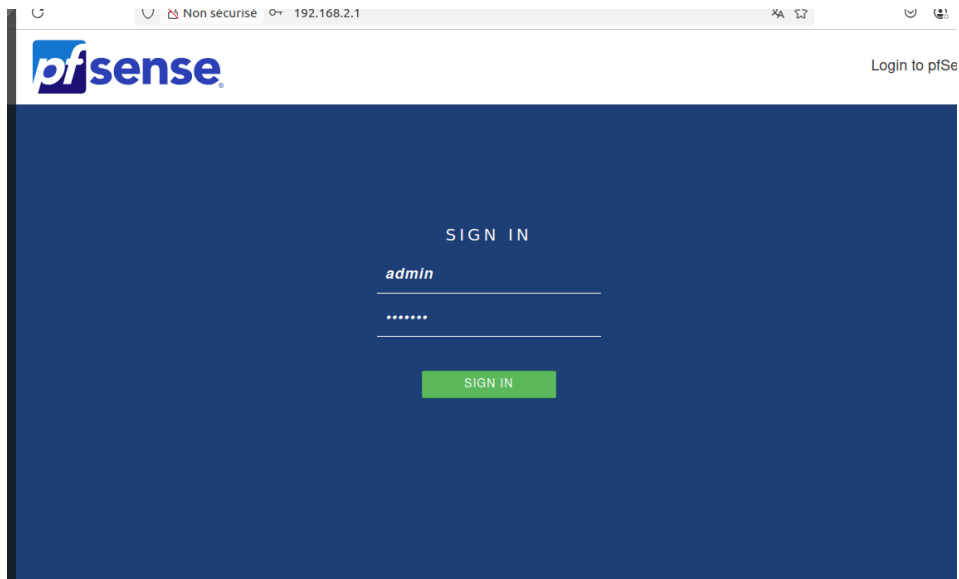
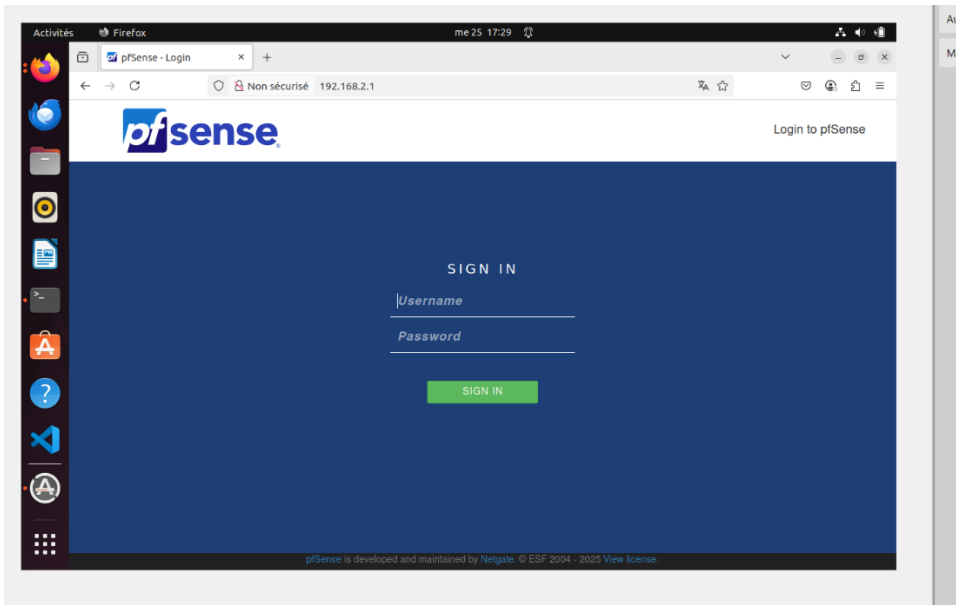
1. Installer et Configurer PfSense sur un VM











pfSense.home.arpa - Wiz: x

Non sécurisé 192.168.2.1/wizard.php?xml=setup_wizard.xml

Step 2 of 9

General Information

On this screen the general pfSense parameters will be set.

Hostname pfSense
Name of the firewall host, without domain part.
Examples: pfsense, firewall, edgefw

Domain localdomain
Domain name for the firewall.
Examples: home.arpa, example.com

Do not end the domain name with 'local' as the final part (Top Level Domain, TLD). The 'local' TLD is widely used by mDNS (e.g. Avahi, Bonjour, Rendezvous, Airprint, Airplay) and some Windows systems and networked devices. These will not network correctly if the router uses 'local' as its TLD. Alternatives such as 'home.arpa', 'local.lan', or 'mylocal' are safe.

The default behavior of the DNS Resolver will ignore manually configured DNS servers for client queries and query root DNS servers directly. To use the manually configured DNS servers below for client queries, visit Services > DNS Resolver and enable DNS Query Forwarding after completing the wizard.

Primary DNS Server 1.1.1.1

Secondary DNS Server

Override DNS ☒
Allow DNS servers to be overridden by DHCP/PPP on WAN

[Next](#)

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[Next](#)

Activités Firefox me 25 17:49

pfSense.home.arpa - Wiz: x

Non sécurisé 192.168.2.1/wizard.php?xml=setup_wizard.xml

pfSense
COMMUNITY EDITION

System Interfaces Firewall Services VPN Status Diagnostics Help

WARNING: The 'admin' account password is set to the default value. [Change the password in the User Manager.](#)

Wizard / pfSense Setup / Time Server Information

Step 3 of 9

Time Server Information

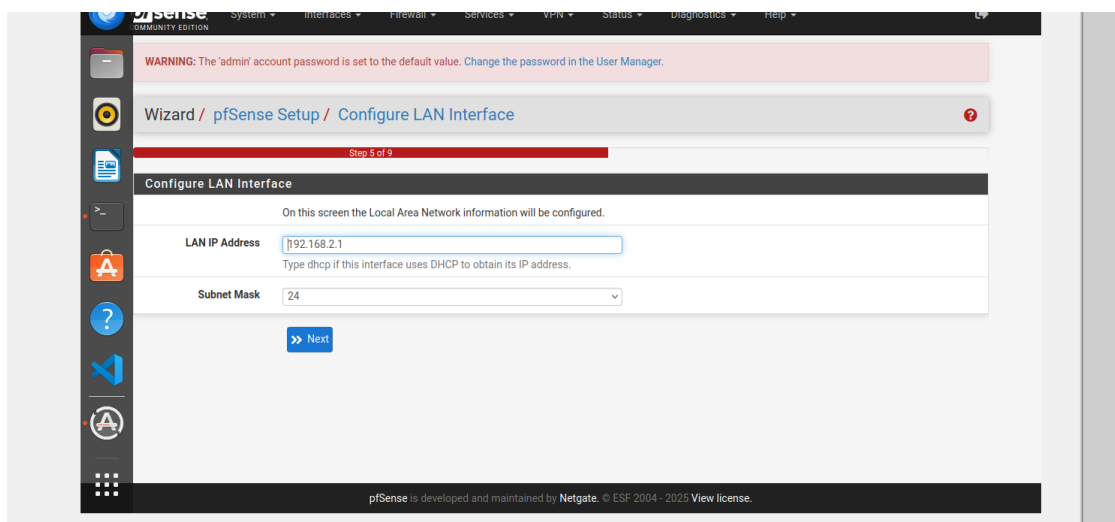
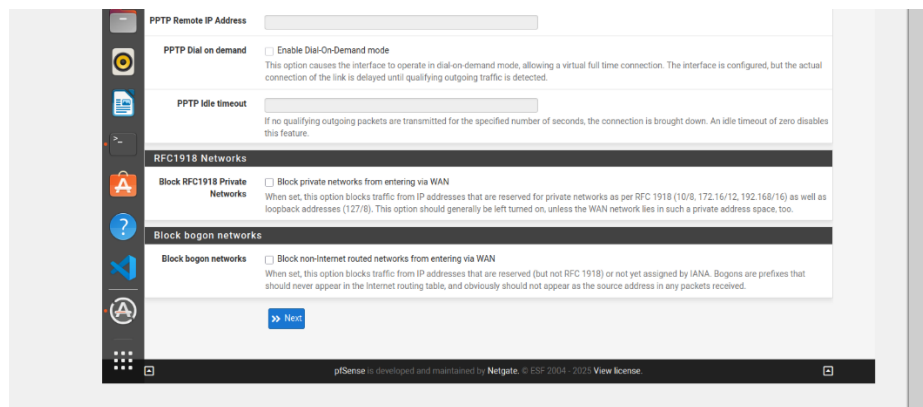
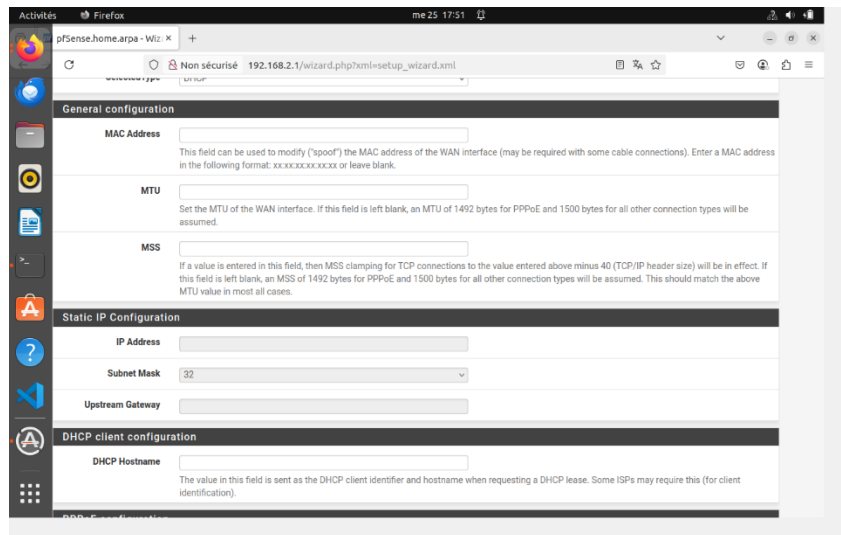
Please enter the time, date and time zone.

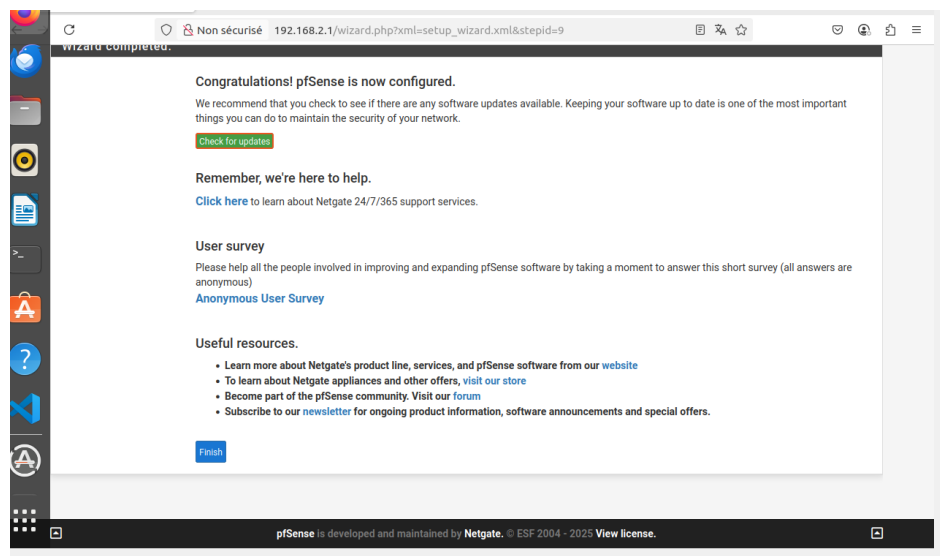
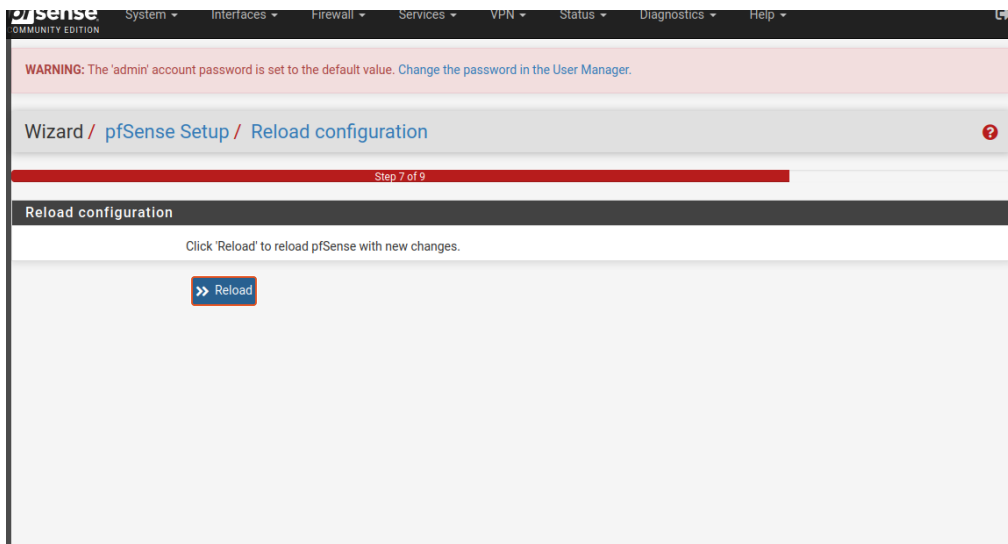
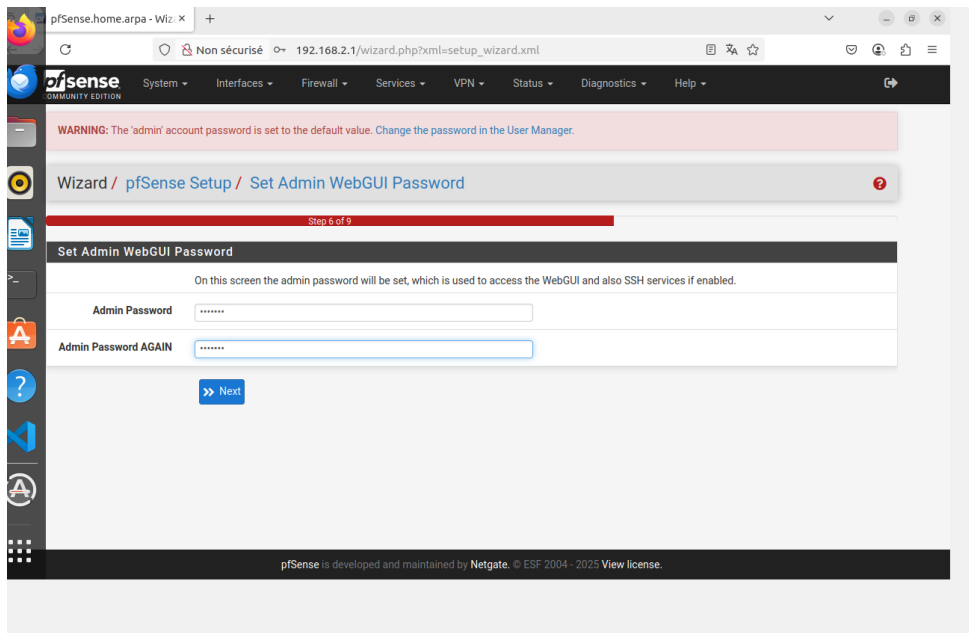
Time server hostname pool.ntp.org
Enter the hostname (FQDN) of the time server.

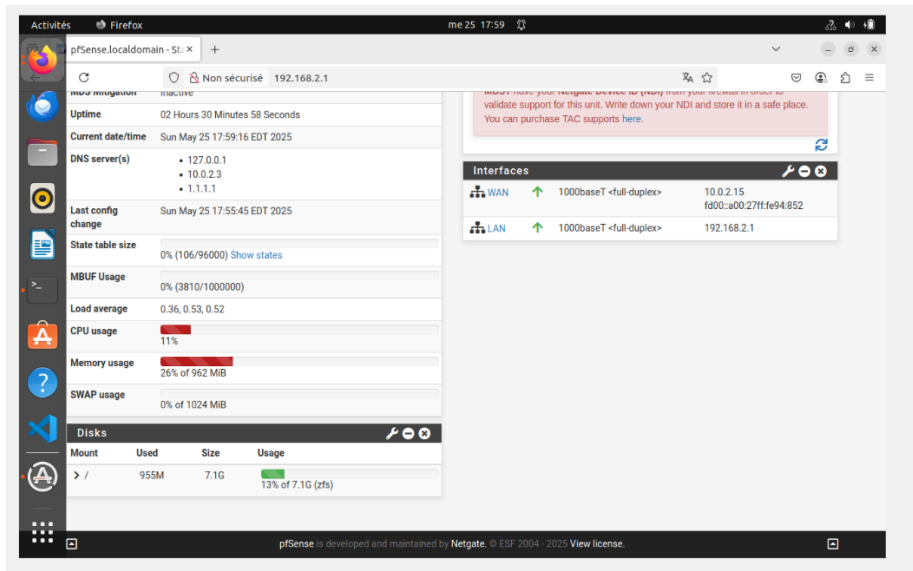
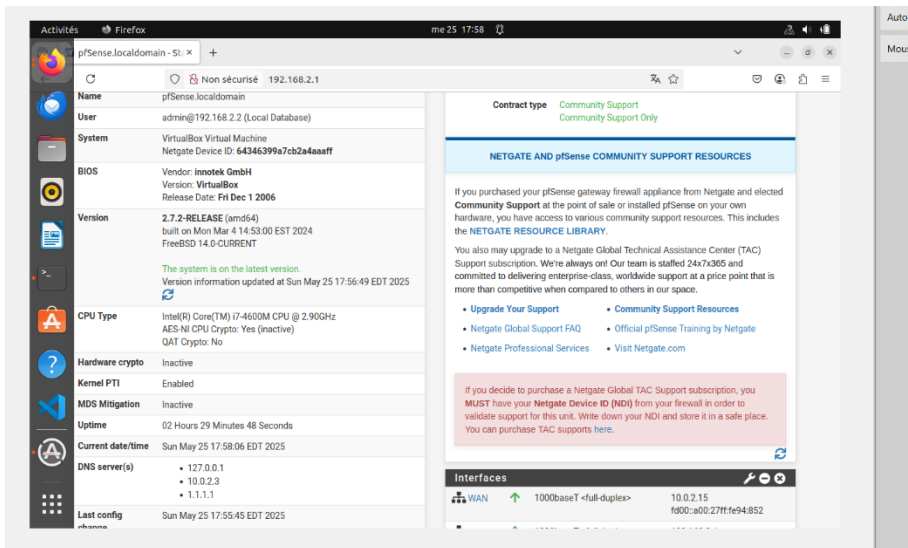
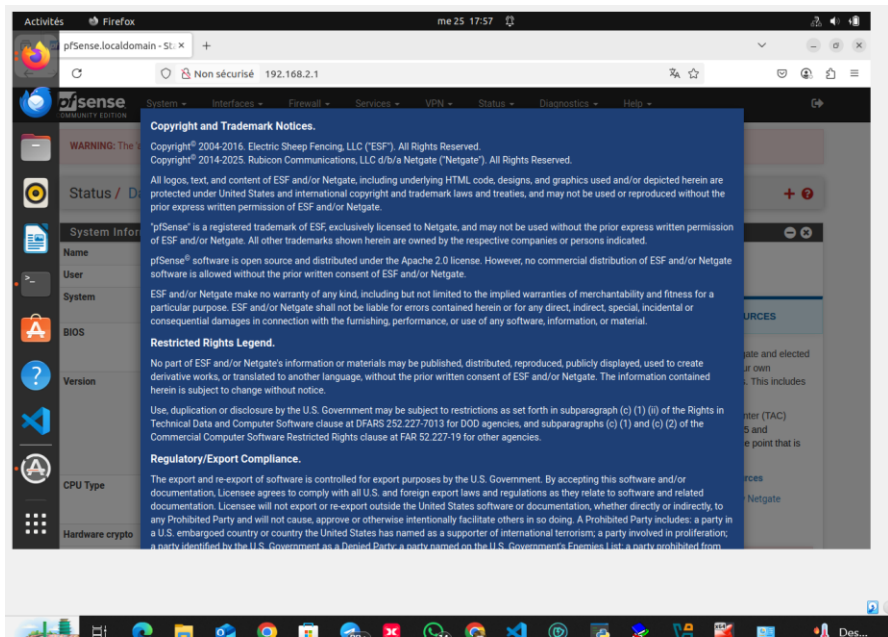
Timezone America/Port-au-Prince

[Next](#)

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En conclusion, en installant et faire la configuration de pfSense sur une machine virtuelle, ça me permet de comprendre comment mettre en place un pare-feu performant et sécurisé. Ça me permet aussi de comprendre que ce système offre un contrôle avancé du trafic réseau, optimisant la gestion des connexions et du routage. Grâce à ses fonctionnalités, l'infrastructure est désormais plus stable, flexible et évolutive. L'accès aux services tels que le VPN, le DHCP et le monitoring améliore l'administration du réseau.