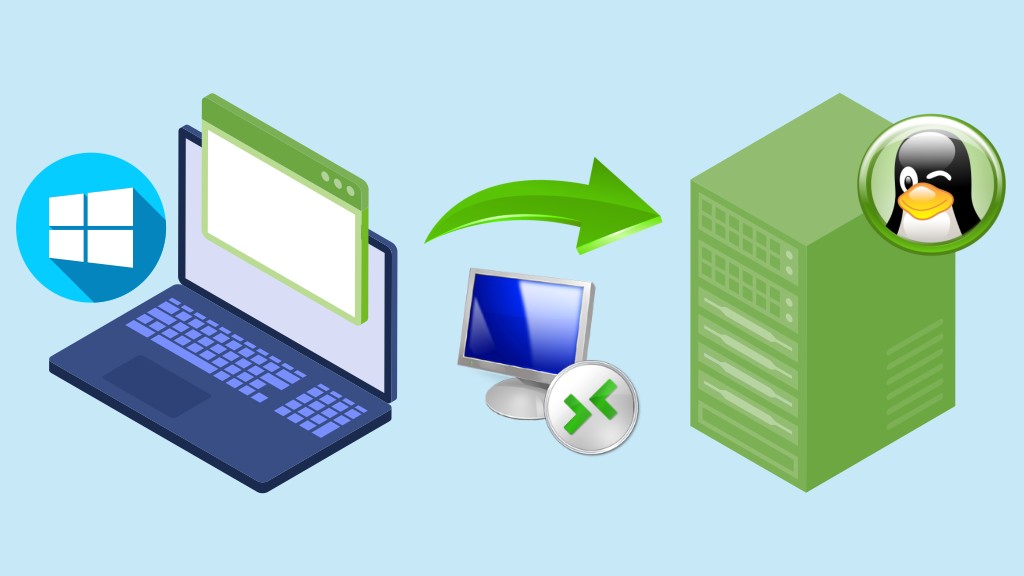
Projet Réseau 188



**Rapport de projet**

Zeqiri Amir – CIN2B

ETML, Vennes – A22

32 Périodes

Maître : M. Delgado

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# Description du projet dans son ensemble

## Titre

Installation, configuration et documentation d’un serveur Debian (VM), avec les services DNS, DHCP et OpenLDAP

## Sujet

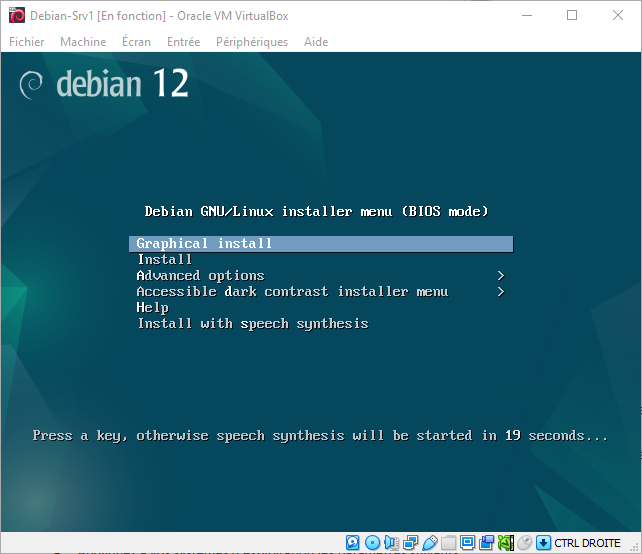
Le but de ce projet, sera d’installer les principaux services tels qu’un DHCP, DNS et gestion d’utilisateur d’un serveur Debian pour un client Windows 11.

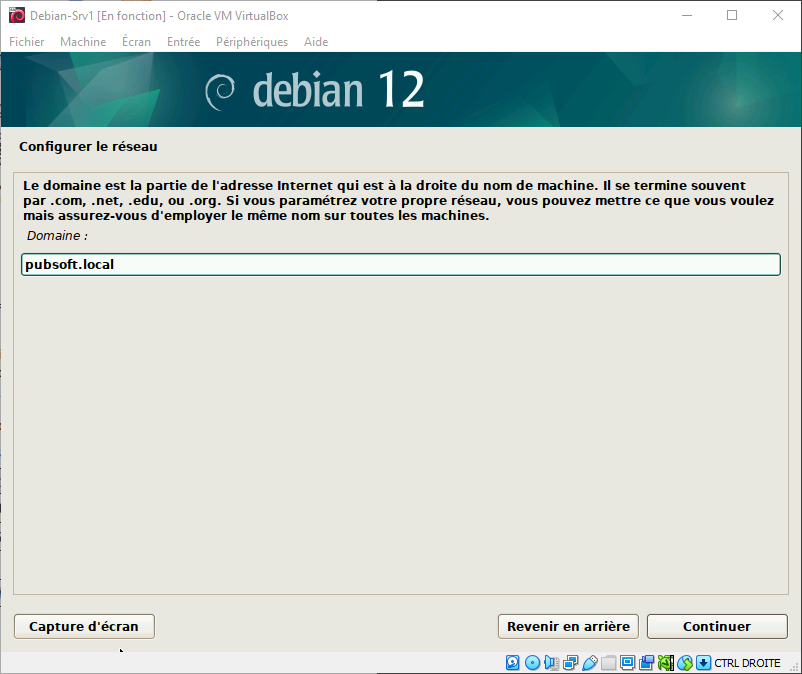
# Analyse & Conception

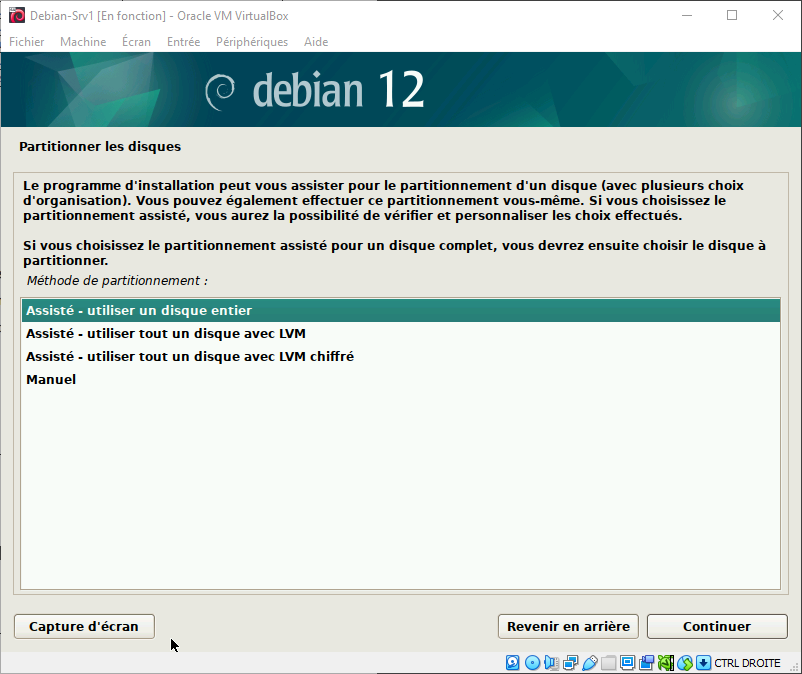
Conception

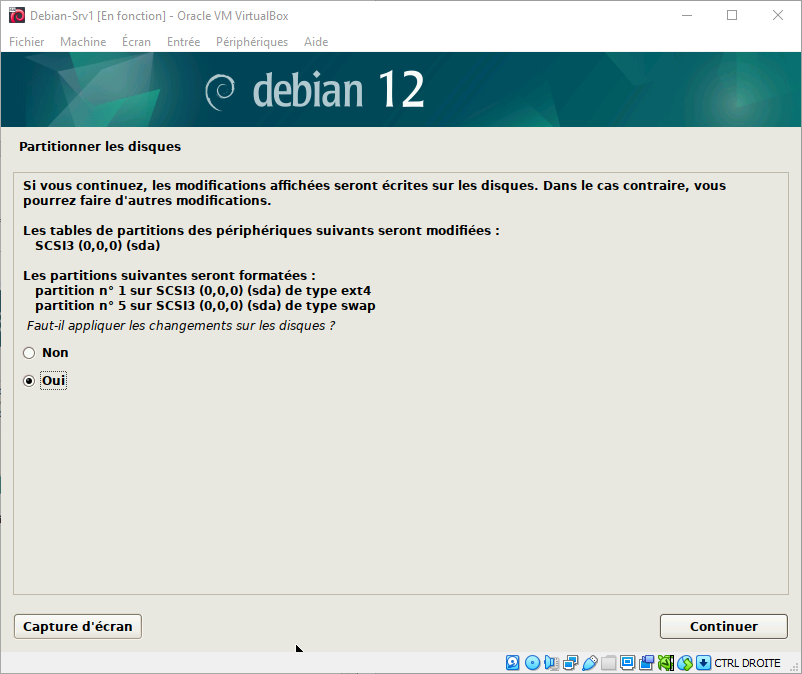
# Réalisation

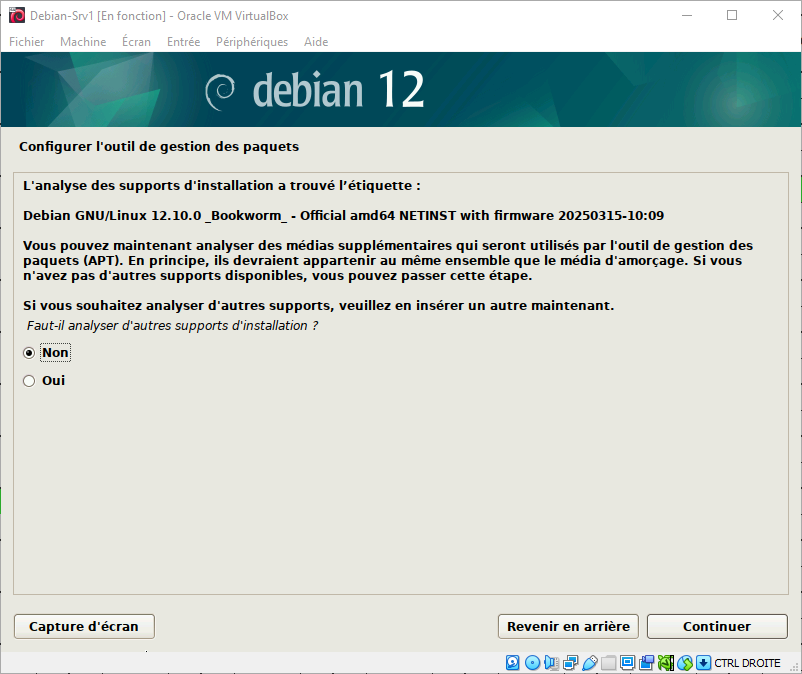
## Installation de Debian

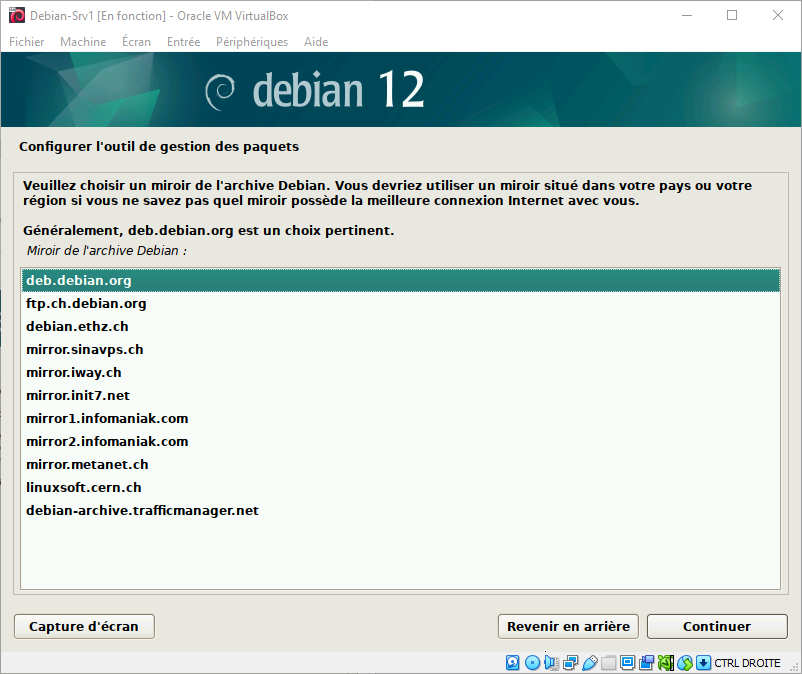


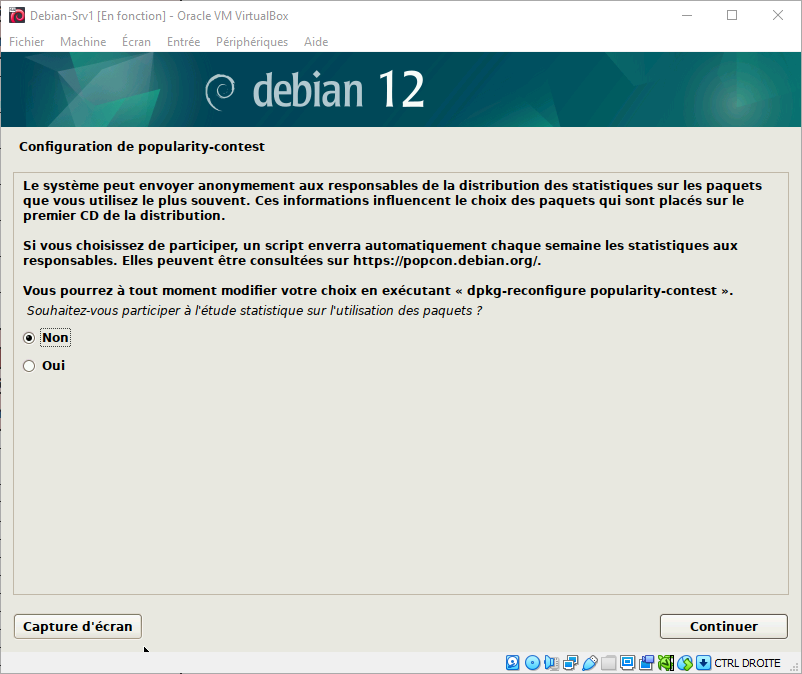


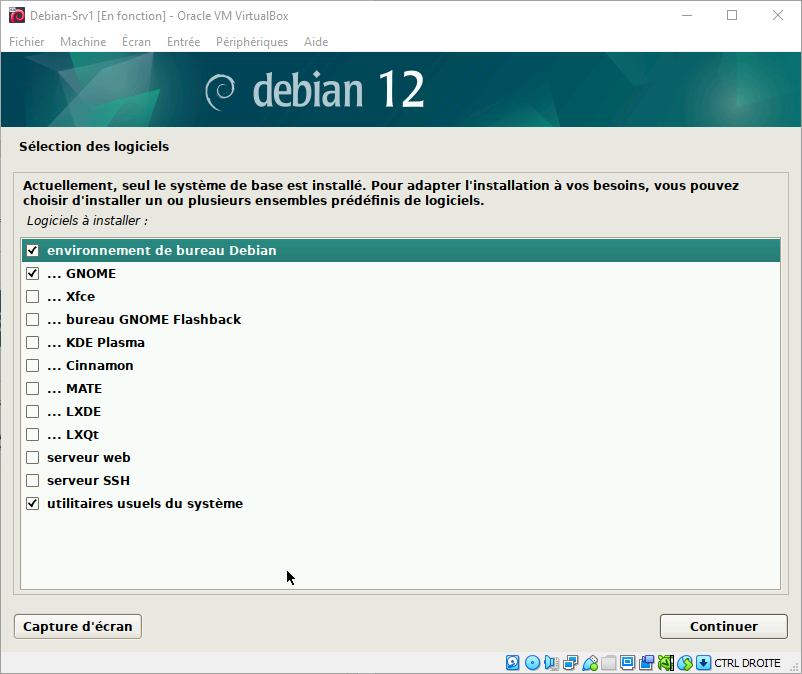


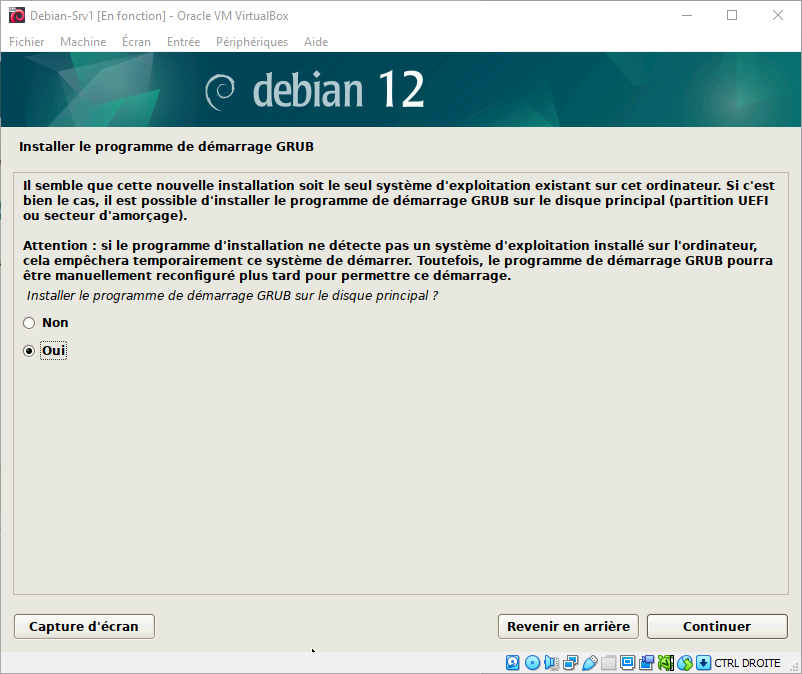




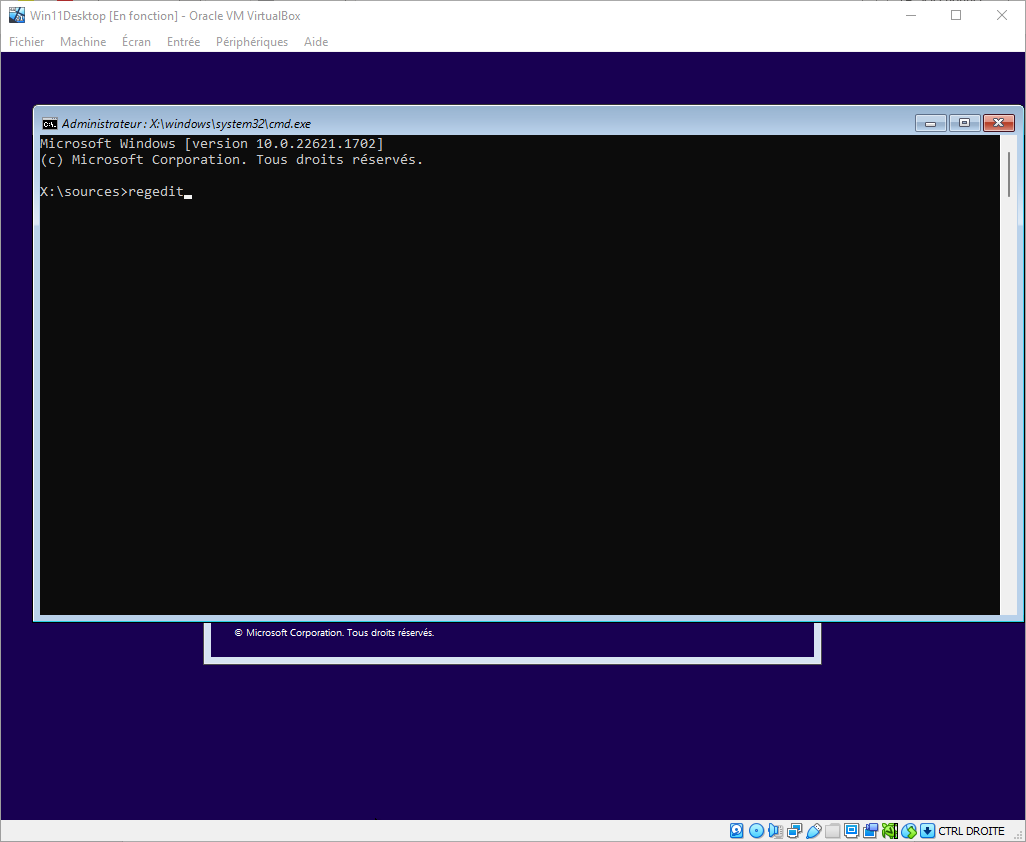


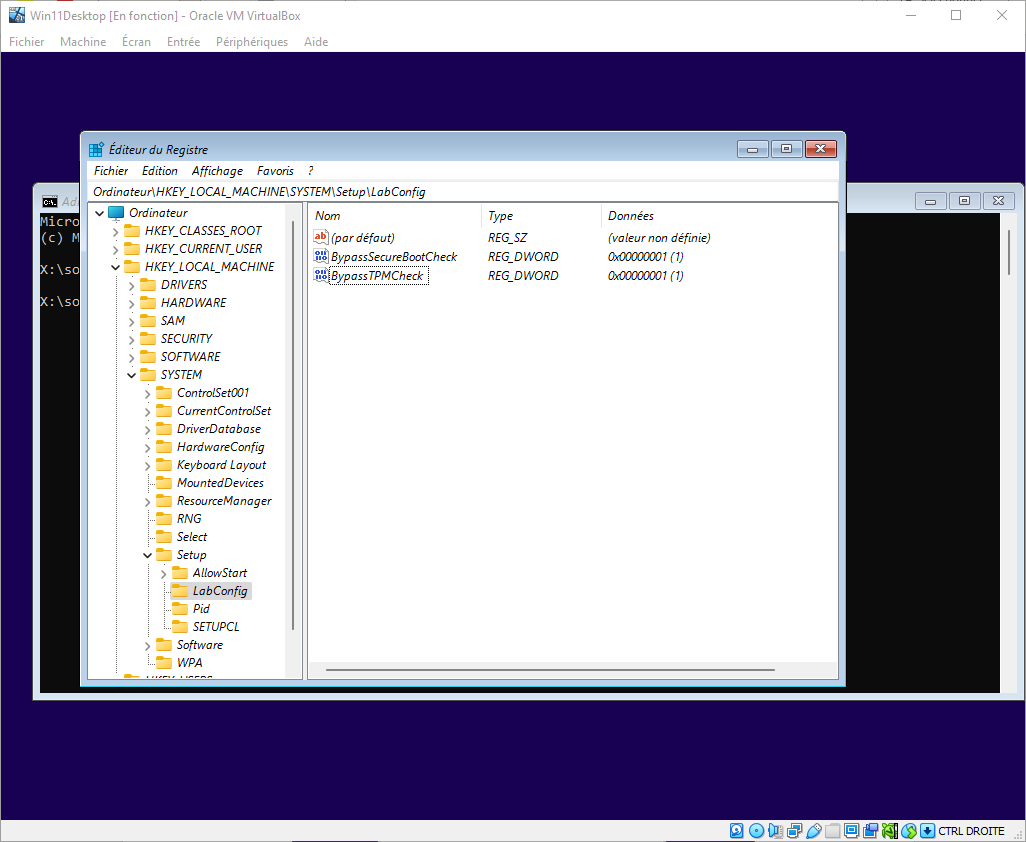


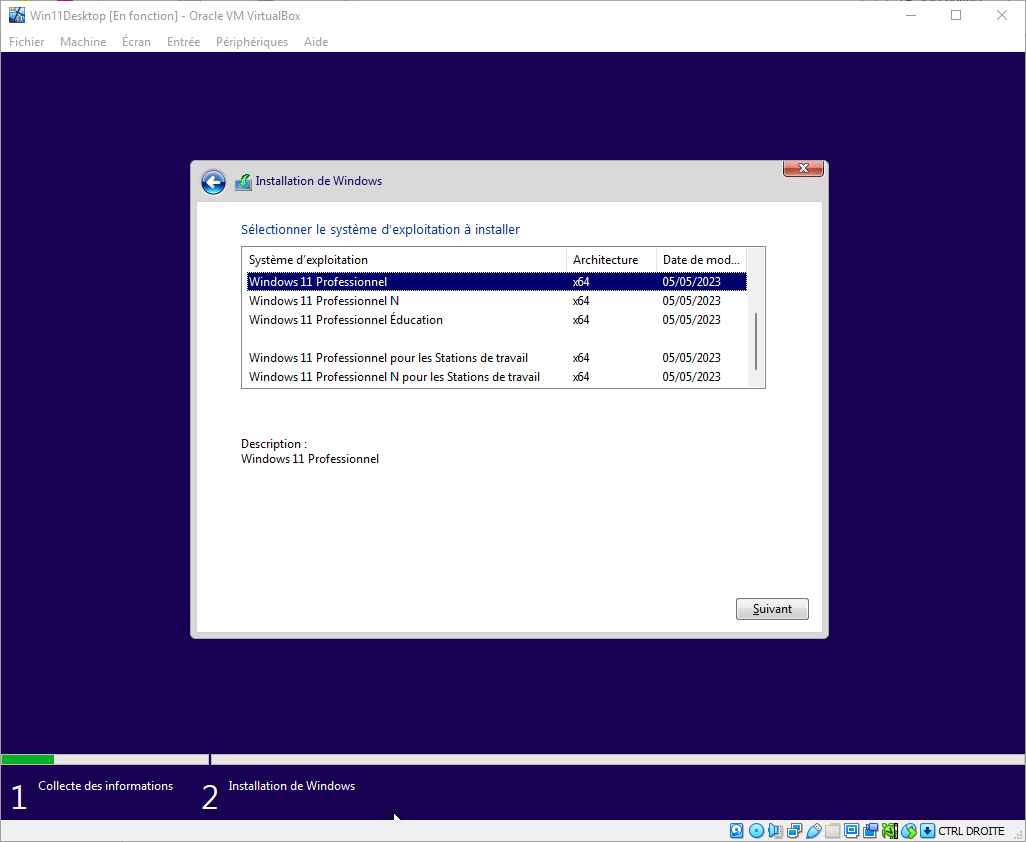


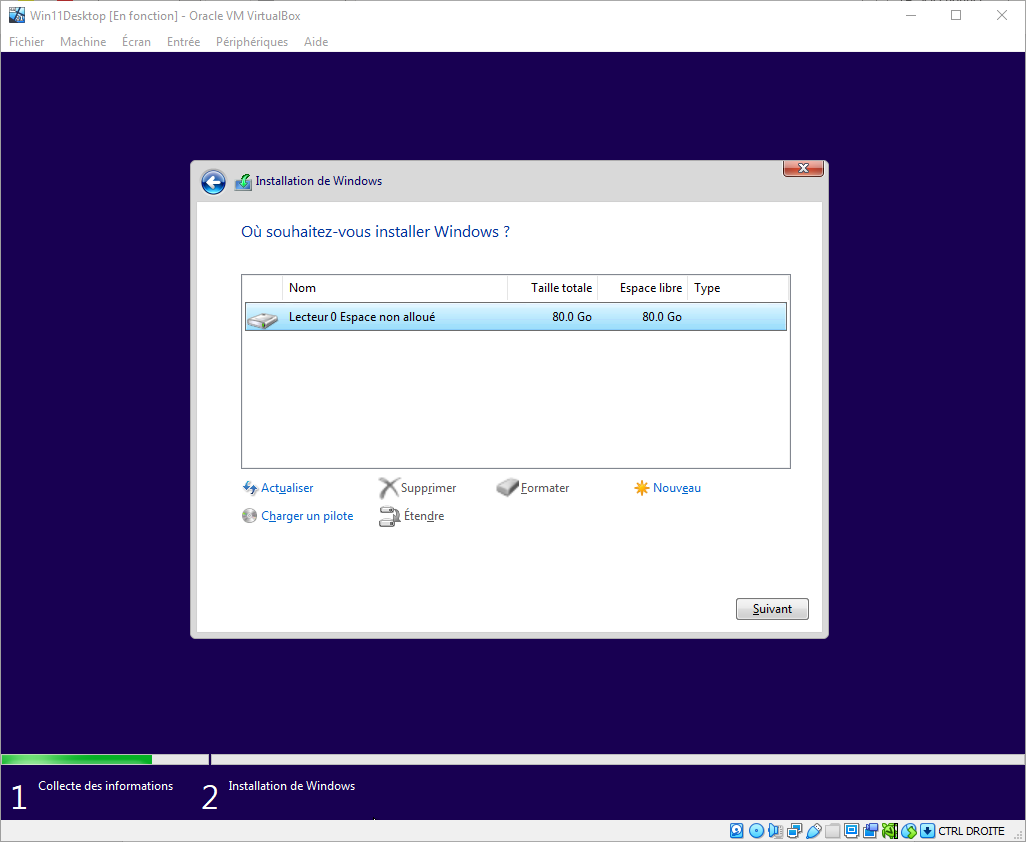


## Installation de Windows

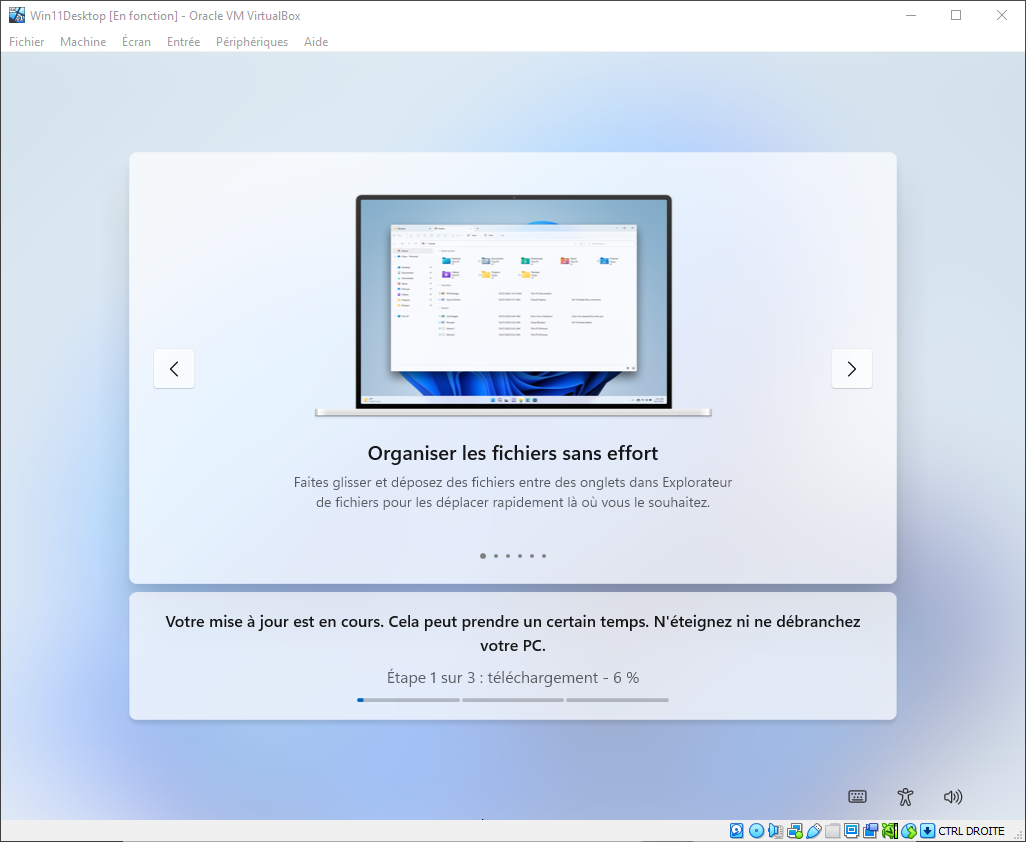




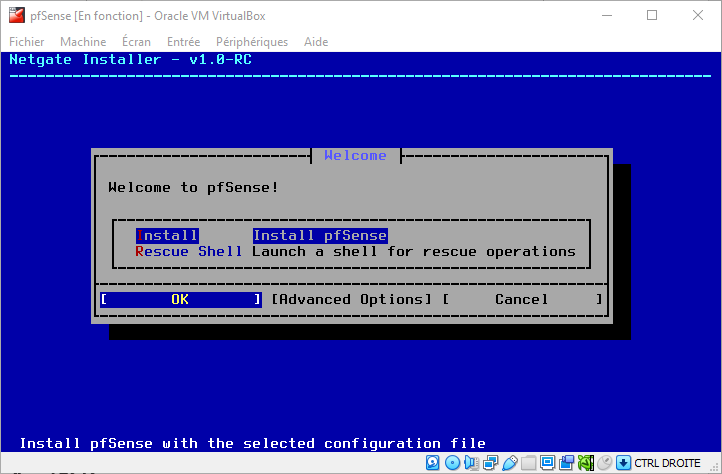


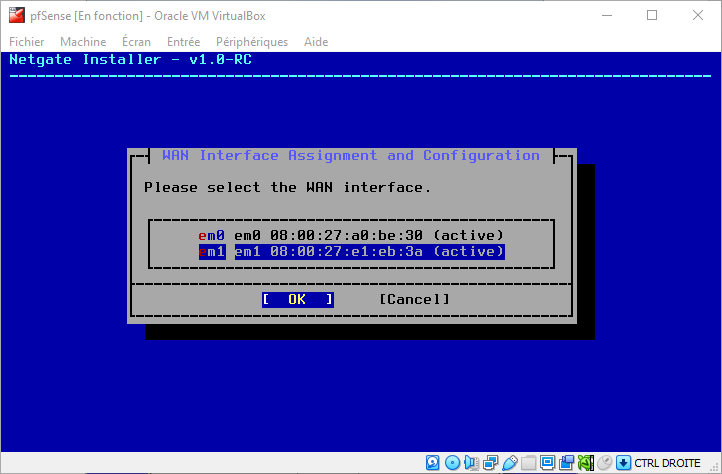


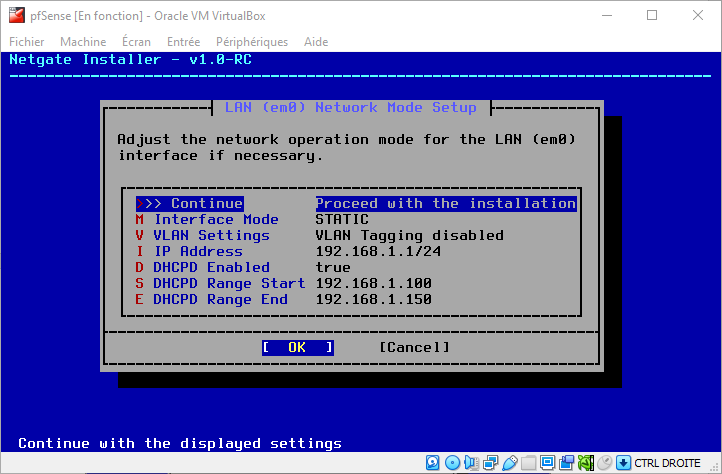
Voici le début de l’installation de Windows 11



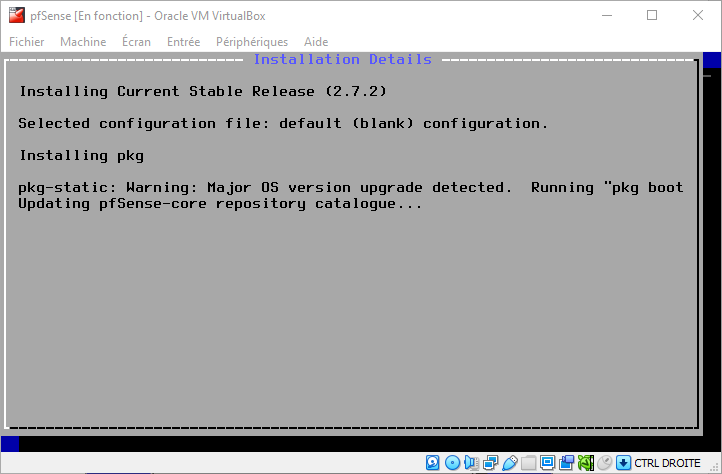
## Installation de FreeBSD (pfSense)







Voici le début de l’installation de FreeBSD

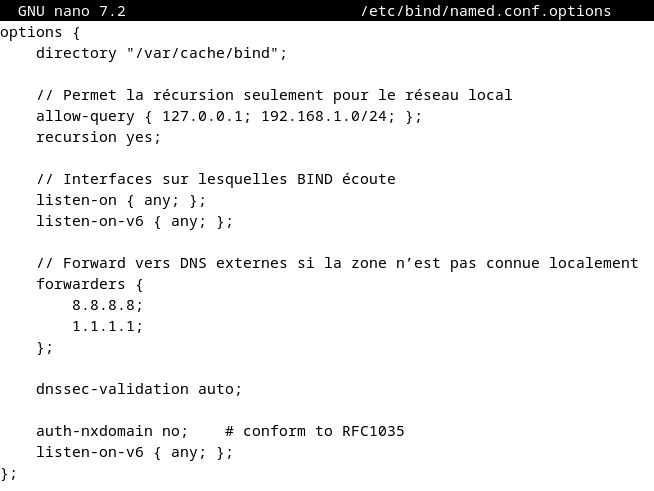


## Installation et configuration de Bind9 (DNS)

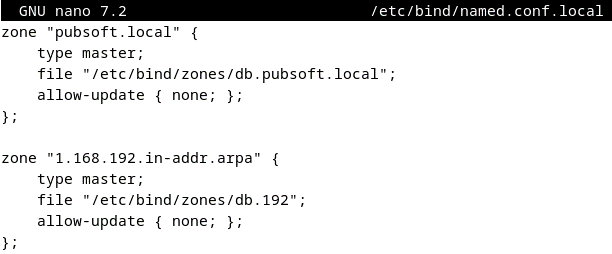
sudo apt update

sudo apt install bind9 dnsutils

sudo nano /etc/bind/named.conf.options



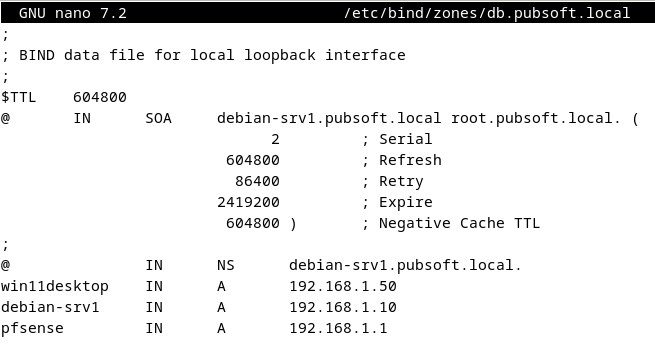
sudo nano /etc/bind/named.conf.local



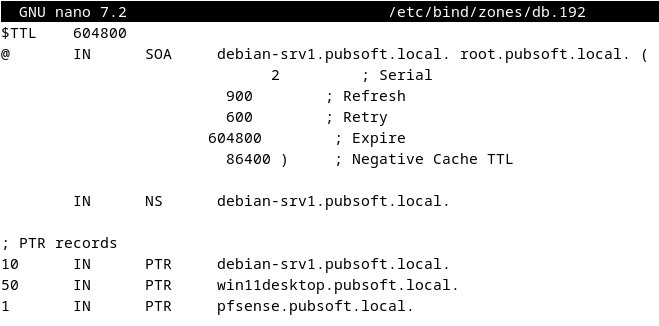
sudo mkdir /etc/bind/zones

sudo cp /etc/bind/db.local /etc/bind/zones/db.pubsoft.local

sudo nano /etc/bind/zones/db.pubsoft.local



sudo nano /etc/bind/zones/db.192



sudo systemctl start bind9

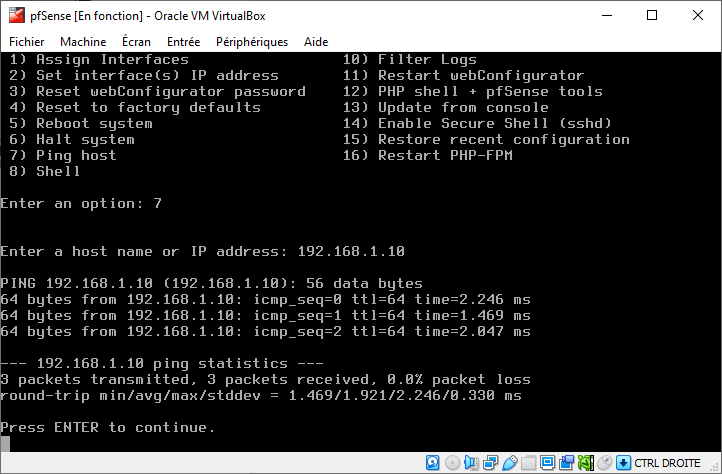
(sudo systemctl enable bind9)

sudo named-checkconf

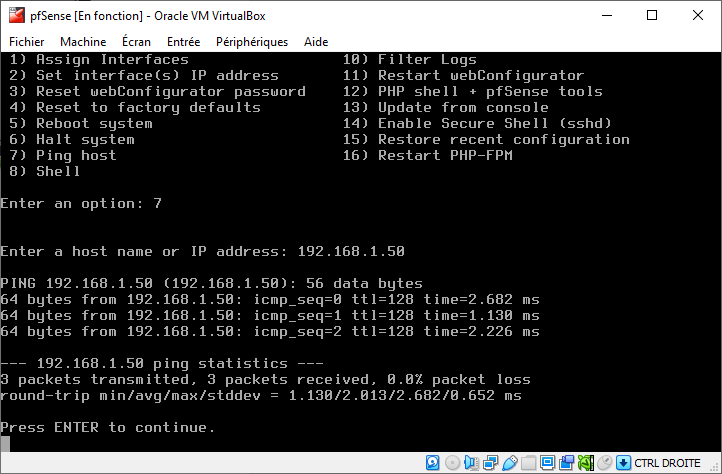
# Tests

## Pings réseau entre machines

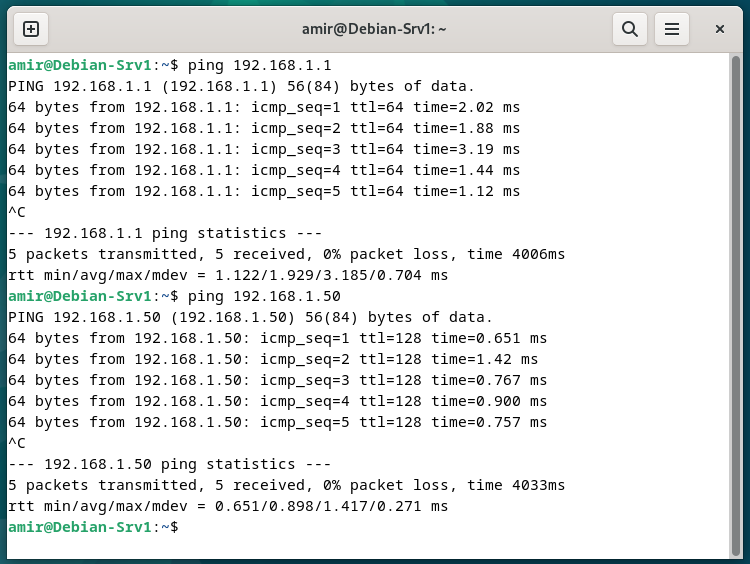
Ping de pfSense à Debian



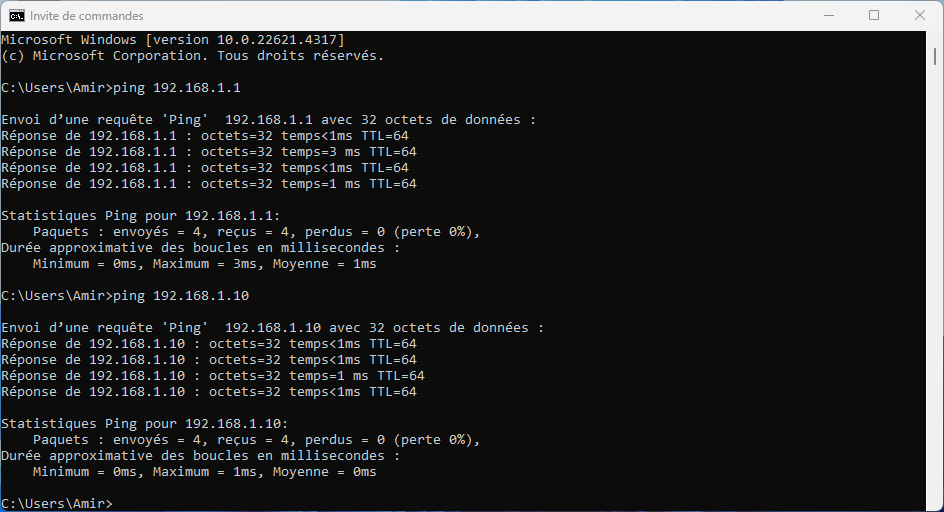
Ping de pfSense à Windows 11



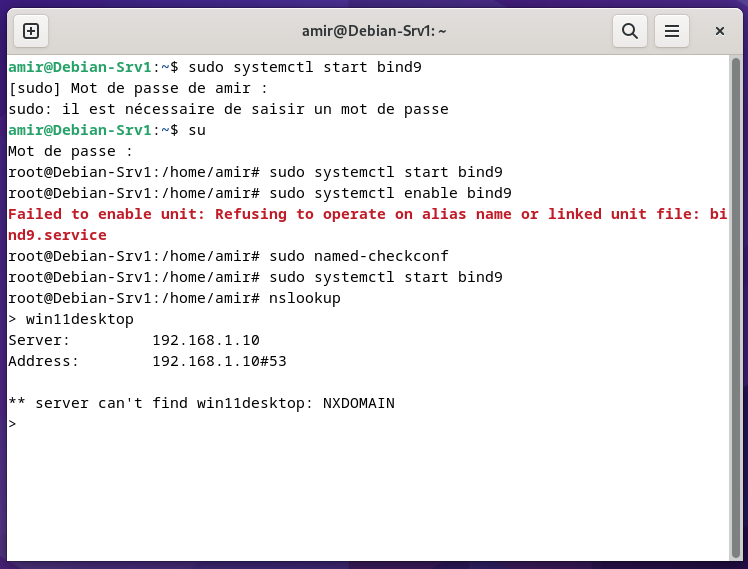
Ping de Debian à pfSense et Windows 11



Ping de Windows 11 à pfSense et Debian



# Problèmes rencontrés



# Sources & Aides

[ISO Linux Debian](https://www.debian.org/index.fr.html) : ISO officielle de Linux Debian

[Bind9](https://reintech.io/blog/installing-configuring-bind-dns-server-debian-12) : Installation et configuration de Bind9 sur Debian 12

# Conclusion

Conclusion