



# ASSURMER AP n°6

PROCEDURE D'INSTALLATION ET DE PROXMOX (Doc Explicatif)



Réalisation AP Professionnelle n°6 - AUTEURS

AHAMED Abdou, BOUSSAHA Elijah, Aymeric PERRET DU CRAY

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### Le contexte en résumé :

Le projet consiste à installer, configurer et tester une solution choisie dans un environnement de virtualisation

Ensuite, il faut rédiger une procédure détaillée d'installation pour cette solution.

Enfin, cette même solution devra être installée sur du matériel physique ("Bare Metal") dans un environnement de travail spécifique (notre îlot).

### Introduction à Proxmox VE 7.4-17

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Proxmox est une distribution libre sous la License GPLv3

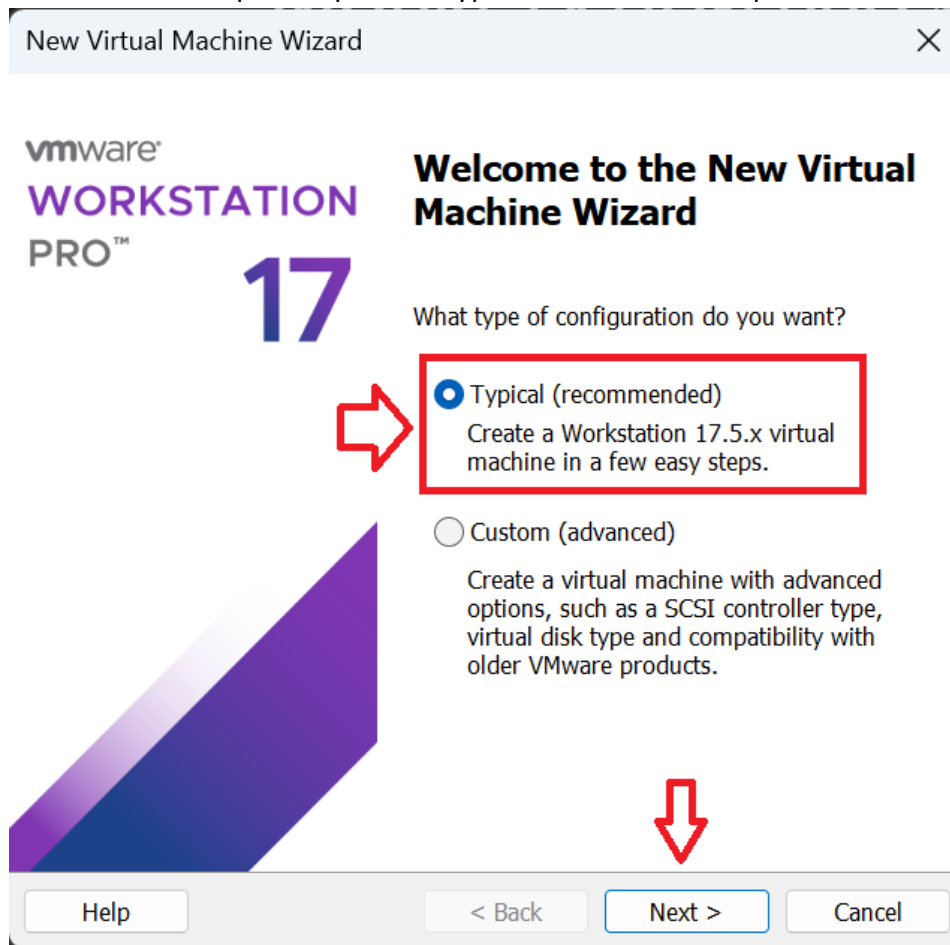
### Ressources Nécessaires :

- 1 Environnement Serveur avec "Proxmox VE 7.4-17"

# Procédure d'installation de l'environnement Proxmox Backup 3.1-2 :

**Etape n°1 :** Télécharger l'iso disponible sur le site de Proxmox (<https://www.proxmox.com/en/proxmox-virtual-environment/overview> )

**Etape n°2 :** Pour installer Proxmox sur VMware il faut cliquer sur new machine Virtual à l'entrée de VMWare puis cliquer sur Typicale recommended puis sur Next.



**Etape n°3 :** Cliquer sur I will install the operating system later car on installera l'iso plus tard puis cliquer sur next.

New Virtual Machine Wizard

### Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

Installer disc:

No drives available

Installer disc image file (iso):

C:\Users\AHAMED\Downloads\debian-12.5.0-amd64-n Browse...

I will install the operating system later.  
The virtual machine will be created with a blank hard disk.

Help < Back **Next >** Cancel

**Etape n°4** : Choisissez Linux pour L'os et la version debian 10.x et cliquer sur "Next"

New Virtual Machine Wizard ✕

### Select a Guest Operating System

Which operating system will be installed on this virtual machine?

Guest operating system

Microsoft Windows

Linux

VMware ESX

Other

Version

Debian 10.x

Help < Back **Next >** Cancel

**Etape n°5 : Modifier** le nom de votre machine et cliquer encore une fois sur **“Next”** sans modifier les paramètres

New Virtual Machine Wizard

### Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:  
proxmox

Location:  
C:\Users\AHAMED\Documents\Virtual Machines\proxmox

The default location can be changed at Edit > Preferences.

< Back **Next >** Cancel

**Etape n°6 :** Modifier la taille du disque et cliquer encore une fois sur **“Next”**

New Virtual Machine Wizard

### Specify Disk Capacity

How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB)

Recommended size for Debian 11.x: 20 GB

Store virtual disk as a single file

Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

## Etape n°7 : Modifier la taille de la mémoire et cliquer encore une fois sur “Next”

Hardware

Device	Summary
Memory	2 GB
Processors	2
New CD/DVD (IDE)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Memory

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

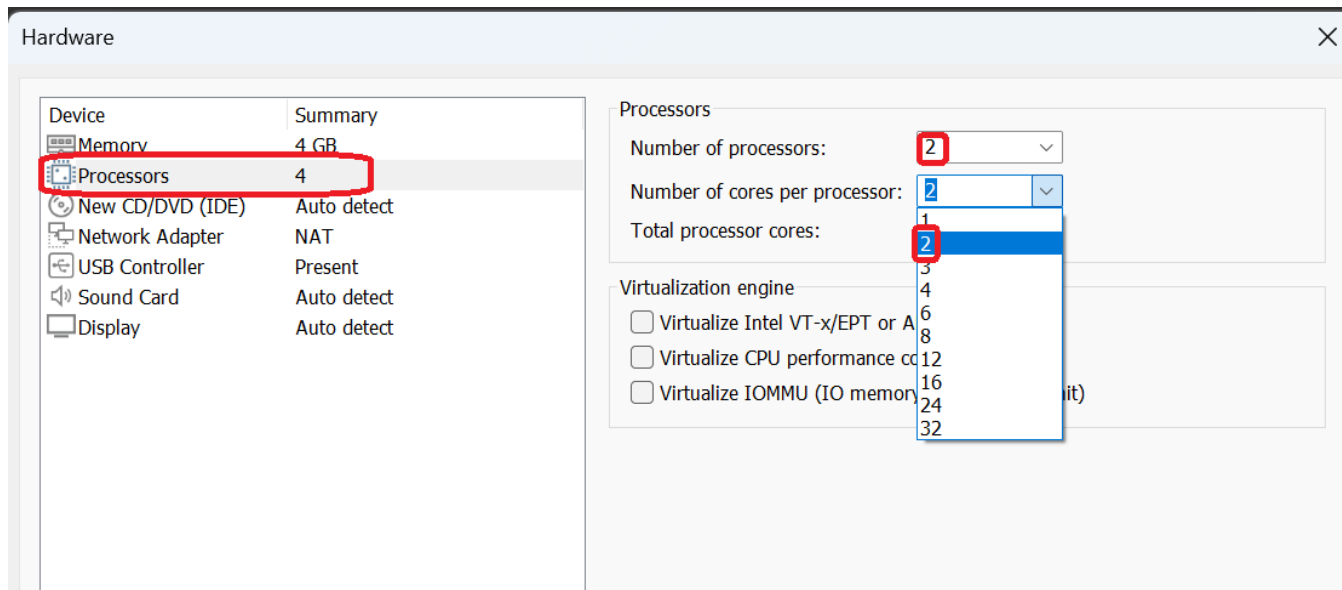
Memory for this virtual machine  MB

128 GB -  
64 GB -  
32 GB -  
16 GB -  
8 GB -  
4 GB -  
2 GB -  
1 GB -  
512 MB -  
256 MB -  
128 MB -  
64 MB -  
32 MB -  
16 MB -  
8 MB -  
4 MB -

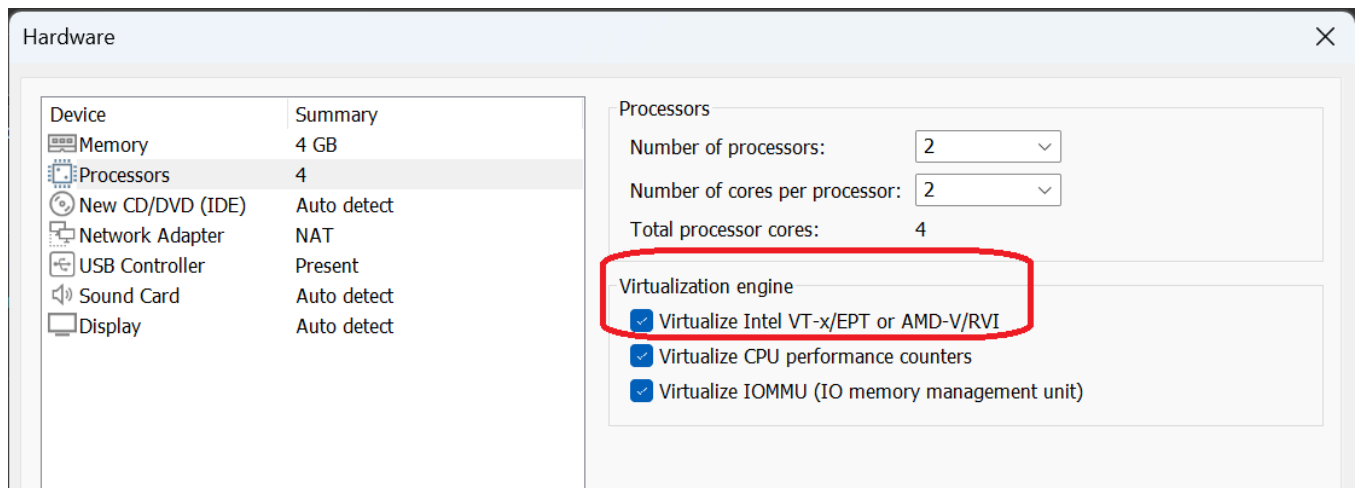
- Maximum recommended memory (Memory swapping may occur beyond this size.) 5.8 GB
- Recommended memory 2 GB
- Guest OS recommended minimum 1 GB



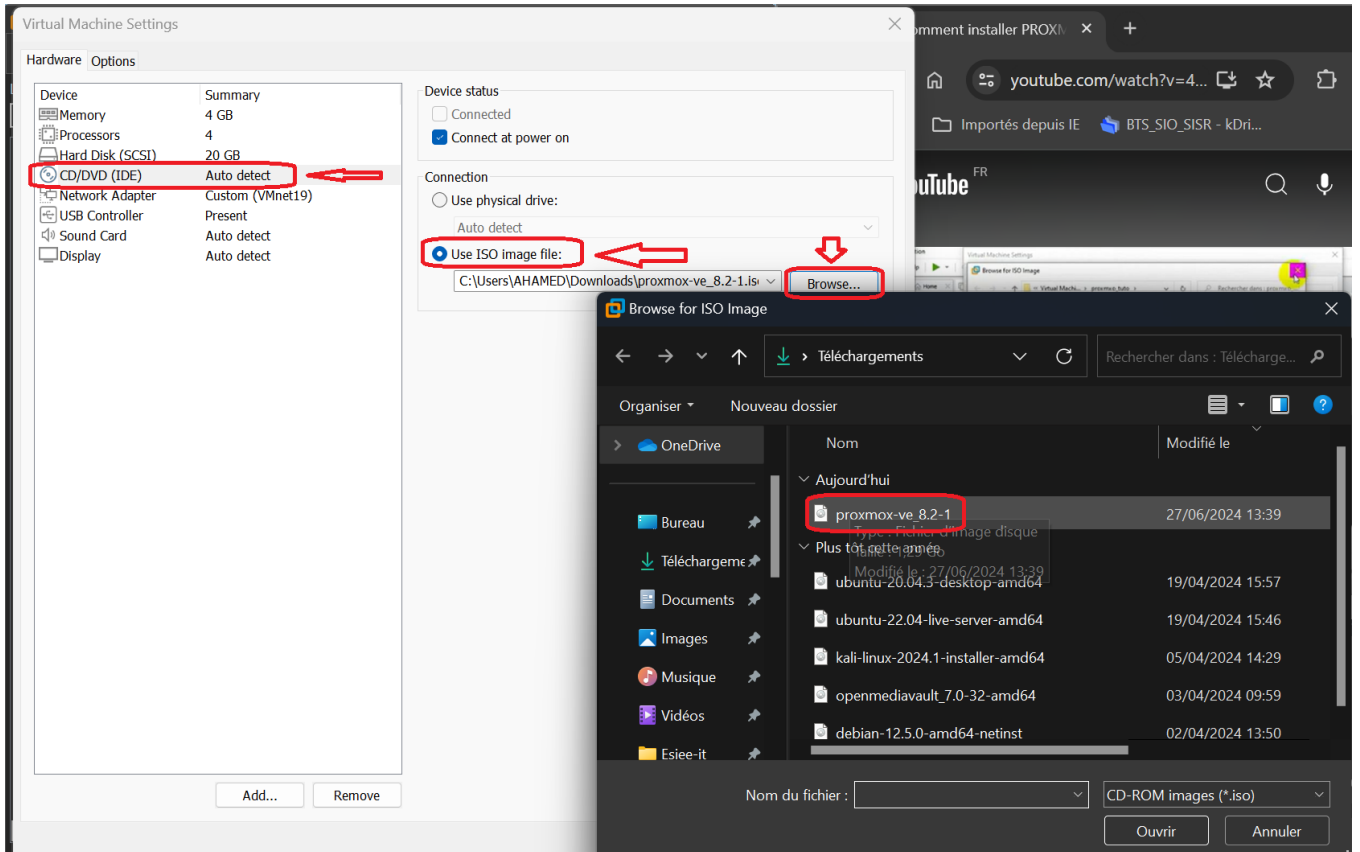
### Etape n°8 : Modifier les nombres de processeurs



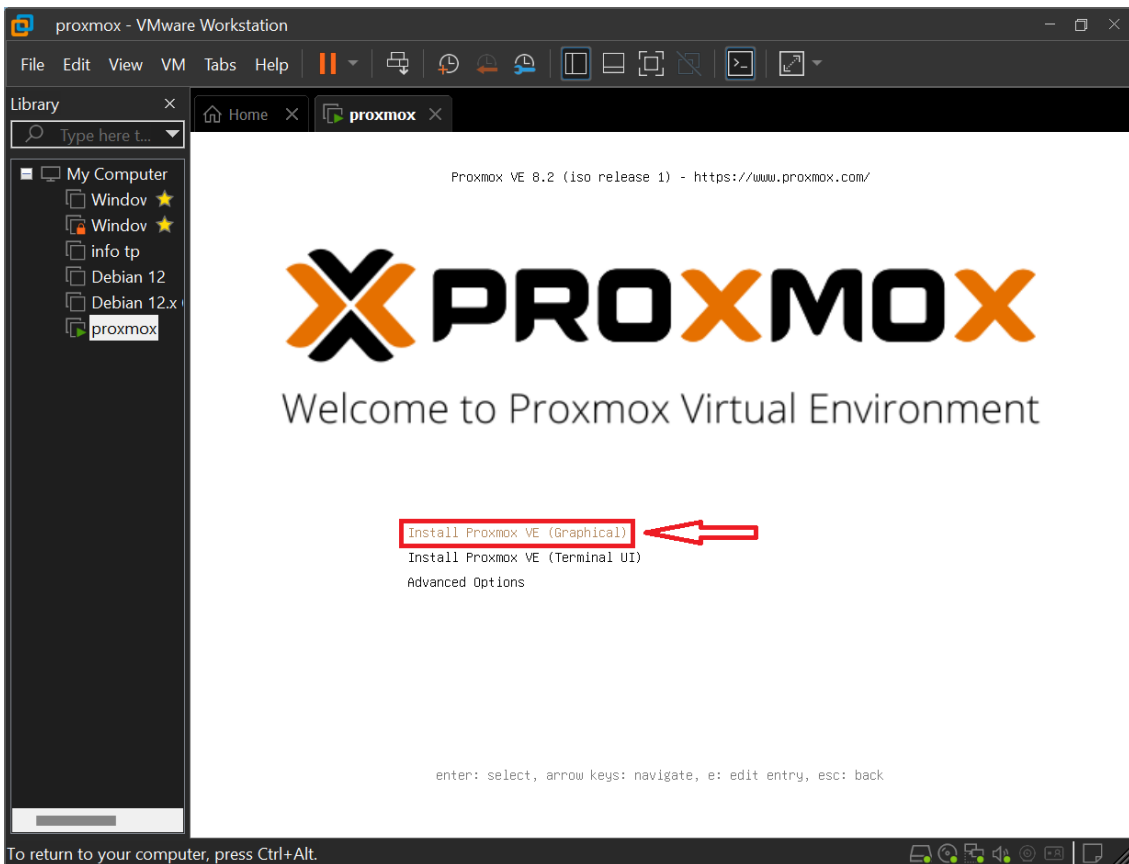
### Etape n°9 : cliquer sur virtualize intel



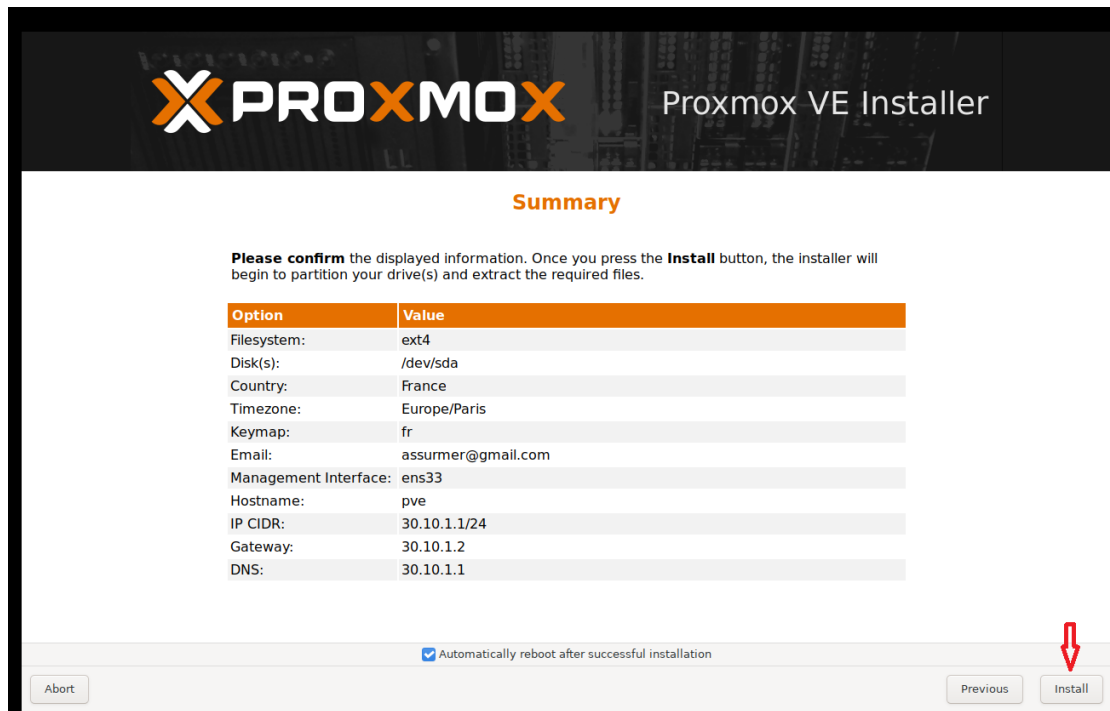
**Etape n°10 : Maintenant nous devons installer l'iso de proxmox "cliquer sur proxmox-ve 8.2-1"**



## Etape n°11 : Ensuite cliquer sur « entrer »



## Etape n°12 : Vérifier les informations puis cliquer sur “Install”



### Etape n°13 : Vérifier les informations puis cliquer sur "Install"

The screenshot shows the 'Management Network Configuration' screen in the Proxmox VE Installer. The title bar includes the Proxmox logo and 'Proxmox VE Installer'. The main heading is 'Management Network Configuration'. Below this, there is a paragraph: 'Please verify the displayed network configuration. You will need a valid network configuration to access the management interface after installing. After you have finished, press the Next button. You will be shown a list of the options that you chose during the previous steps.' To the right, there are three bullet points: 'IP address (CIDR): Set the main IP address and netmask for your server in CIDR notation.', 'Gateway: IP address of your gateway or firewall.', and 'DNS Server: IP address of your DNS server.' Below the text, there are several input fields: 'Management Interface' (a dropdown menu showing 'ens33 - 00:0c:29:05:52:c9 (pcnet32)'), 'Hostname (FQDN)' (text input with 'pve.localdomain'), 'IP Address (CIDR)' (text input with '30.10.1.1' and a netmask dropdown set to '24'), 'Gateway' (text input with '30.10.1.2'), and 'DNS Server' (text input with '30.10.1.1'). At the bottom, there are 'Abort', 'Previous', and 'Next' buttons. A red arrow points to the 'Next' button.

### Etape n°14 : Vérifier les informations puis cliquer sur "Install"

The screenshot shows the 'Web Based Administration' screen in the Proxmox VE Installer. The title bar includes the Proxmox logo and 'Proxmox VE Installer'. The main heading is 'Web Based Administration'. Below this, there is a paragraph: 'Proxmox VE closes the gap between high performance Linux virtualization and the missing parts - easy deployment and management. Proxmox VE is the number one choice for Linux based virtualization platforms.' To the right, there are four bullet points: 'JavaScript based GUI: Fast search-driven interface, capable of handling several hundred VMs.', 'Web Based Console: SSL secured browser-integrated console view to all Virtual Servers and hosts.', 'Online Backup: Backup (and restore) your running Virtual Servers.', and 'Live Migration: Move your running servers from one physical host to another without downtime.' At the bottom, there is a progress bar for 'extracting libnewt0.52\_0.52.23-1+b1\_amd64.deb' at 63%. Below the progress bar, there are 'Abort' and 'Install' buttons.

**Etape Final :** Une fois arriver sur cette interface Proxmox Backup Server est bien installé.

```
-----  
Welcome to the Proxmox Virtual Environment. Please use your web browser to  
configure this server - connect to:
```

```
https://30.10.1.1:8006/  
-----
```

```
pve login: root
```

```
Password:
```

```
Linux pve 6.8.4-2-pve #1 SMP PREEMPT_DYNAMIC PMX 6.8.4-2 (2024-04-10T17:36Z) x86_64
```

```
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.
```

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.
```

```
root@pve:~#
```

```
root@pve:~#
```