

1-Installation de proxmox

Nous allons installer Proxmox en suivant plusieurs étapes.

D'abord, nous créerons une clé USB bootable avec l'installateur de Proxmox.

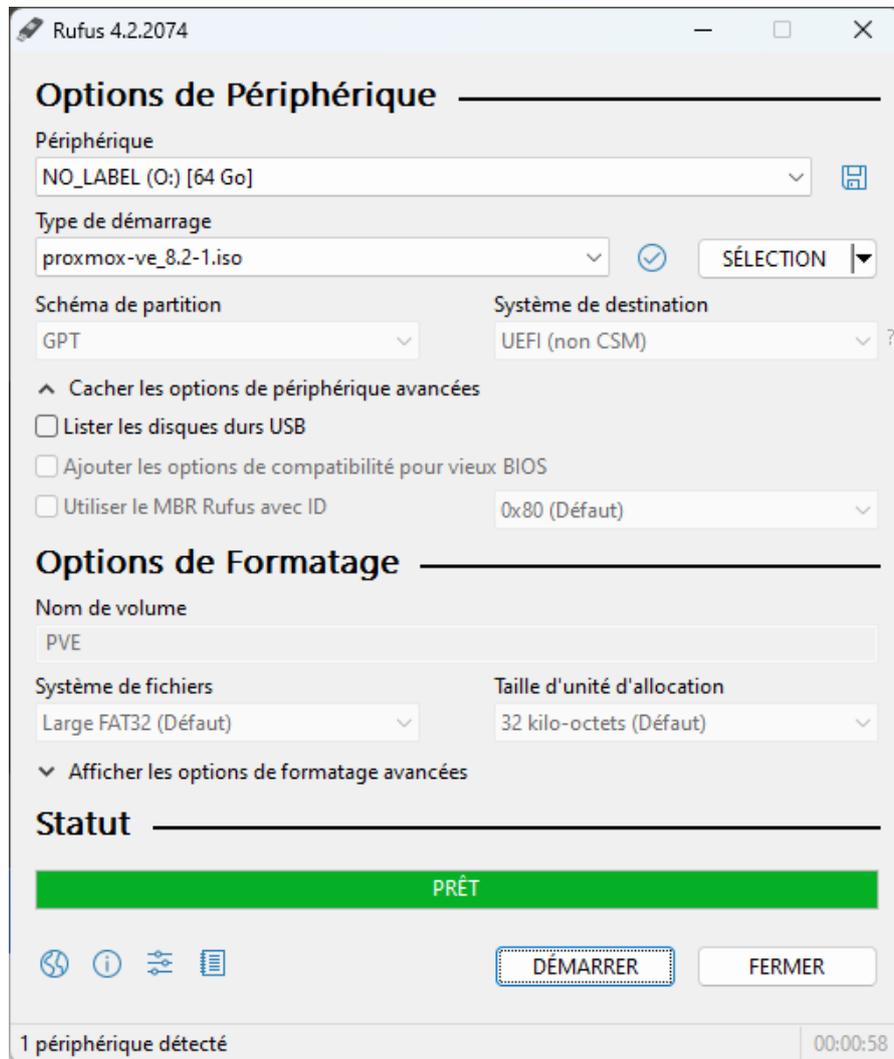
Ensuite, nous procéderons à la configuration de base du système, en suivant les instructions de l'installateur.

Enfin, nous mettrons en place l'adresse IP et le nom de l'hôte pour assurer une connectivité réseau correcte et une identification unique du serveur dans notre infrastructure.

- [a\) Création de la clé USB](#)
- [b\) Configuration de base](#)
- [c\) Mise en place ip et nom](#)

a) Création de la clé USB

Pour créer la clé USB, j'utilise Rufus qui est un utilitaire de création de clé USB. Ici j'ai pris la dernière version de Proxmox qui est 8.2-1 :



On sélectionne la clé USB puis on fait démarrer. Une fois finit, on branche la clé USB sur le périphérique où vous souhaitez installer Proxmox.

b) Configuration de base

Donc une fois que vous avez démarré sur la clé USB, on fait « Install Proxmox VE (Graphical) » :

Proxmox VE 8.2 (iso release 1) - <https://www.proxmox.com/>



Welcome to Proxmox Virtual Environment

```
Install Proxmox VE (Graphical)
Install Proxmox VE (Terminal UI)
Advanced Options
```

0 second(s) until boot

enter: select, arrow keys: navigate, e: edit entry, esc: back

Donc on accepte les conditions d'utilisation :

END USER LICENSE AGREEMENT (EULA)

END USER LICENSE AGREEMENT (EULA) FOR PROXMOX VIRTUAL ENVIRONMENT (PROXMOX VE)

By using Proxmox VE software you agree that you accept this EULA, and that you have read and understand the terms and conditions. This also applies for individuals acting on behalf of entities. This EULA does not provide any rights to Support Subscriptions Services as software maintenance, updates and support. Please review the Support Subscriptions Agreements for these terms and conditions. The EULA applies to any version of Proxmox VE and any related update, source code and structure (the Programs), regardless of the delivery mechanism.

1. License. Proxmox Server Solutions GmbH (Proxmox) grants to you a perpetual, worldwide license to the Programs pursuant to the GNU Affero General Public License V3. The license agreement for each component is located in the software component's source code and permits you to run, copy, modify, and redistribute the software component (certain obligations in some cases), both in source code and binary code forms, with the exception of certain binary only firmware components and the Proxmox images (e.g. Proxmox logo). The license rights for the binary only firmware components are located within the components. This EULA pertains solely to the Programs and does not limit your rights under, or grant you rights that supersede, the license terms of any particular component.

2. Limited Warranty. The Programs and the components are provided and licensed "as is" without warranty of any kind, expressed or implied, including the implied warranties of merchantability, non-infringement or fitness for a particular purpose. Neither Proxmox nor its affiliates warrants that the functions contained in the Programs will meet your requirements or that the operation of the Programs will be entirely error free, appear or perform precisely as described in the accompanying documentation, or comply with regulatory requirements.

3. Limitation of Liability. To the maximum extent permitted under applicable law, under no

Abort

Previous

I agree

Ici ont choisie sur quel disque dur on veut installer proxmox :
Dans mon cas, ayant 3 fois le même disque dur et sans donner précieuse je prends n'importe lequel. Il faut minium 16go de stockage.



Proxmox Virtual Environment (PVE)

The Proxmox Installer automatically partitions your hard disk. It installs all required packages and makes the system bootable from the hard disk. All existing partitions and data will be lost.

Press the Next button to continue the installation.

- **Please verify the installation target**
The displayed hard disk will be used for the installation.
Warning: All existing partitions and data will be lost.
- **Automatic hardware detection**
The installer automatically configures your hardware.
- **Graphical user interface**
Final configuration will be done on the graphical user interface, via a web browser.

Target Harddisk	<input type="checkbox"/> /dev/sda (465.76GiB, MB0500EBNCR) <input type="checkbox"/> /dev/sdb (465.76GiB, MB0500EBNCR) <input type="checkbox"/> /dev/sdc (465.76GiB, MB0500EBNCR)	<input type="button" value="Options"/>
<input type="button" value="Abort"/>		<input type="button" value="Previous"/> <input type="button" value="Next"/>

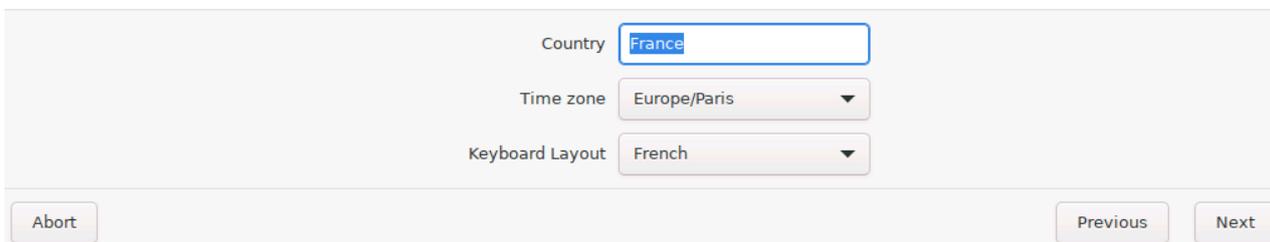
On définit quel pays on est donc France et le reste va se configurer automatiquement le clavier et l'heure :

Location and Time Zone selection

The Proxmox Installer automatically makes location-based optimizations, like choosing the nearest mirror to download files from. Also make sure to select the correct time zone and keyboard layout.

Press the Next button to continue the installation.

- **Country:** The selected country is used to choose nearby mirror servers. This will speed up downloads and make updates more reliable.
- **Time Zone:** Automatically adjust daylight saving time.
- **Keyboard Layout:** Choose your keyboard layout.



The screenshot shows the configuration interface with the following settings:

Country	France
Time zone	Europe/Paris
Keyboard Layout	French

At the bottom of the form, there are three buttons: "Abort" on the left, "Previous" in the middle, and "Next" on the right.

Ici on va donc mettre en place le mot de passe de l'utilisateur root qui doit contenir 8 caractères minimum avec lettre, chiffre et caractère spécial. Puis il demande une adresse mail, vous mettez ce que vous voulez :

Administration Password and Email Address

Proxmox Virtual Environment is a full featured, highly secure GNU/Linux system, based on Debian.

In this step, please provide the *root* password.

- **Password:** Please use a strong password. It should be at least 8 characters long, and contain a combination of letters, numbers, and symbols.
- **Email:** Enter a valid email address. Your Proxmox VE server will send important alert notifications to this email account (such as backup failures, high availability events, etc.).

Press the Next button to continue the installation.

Password	<input type="password" value="●●●●●●●●"/>
Confirm	<input type="password" value="●●●●●●●●"/>
Email	<input type="text" value="exemple@gmail.com"/>

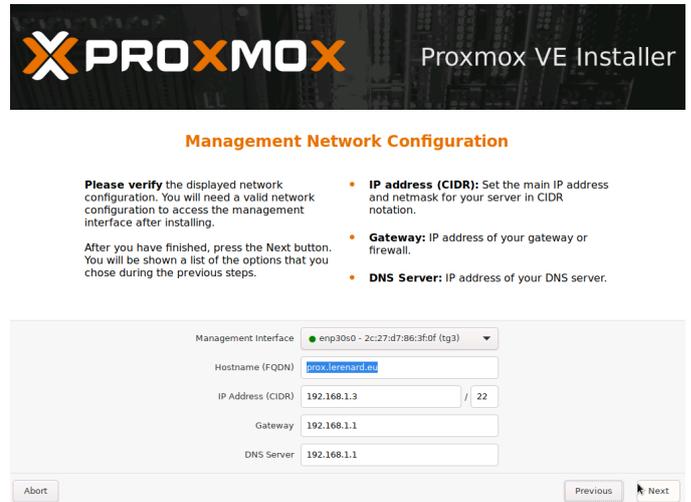
c) Mise en place ip et nom

Une fois ici, on doit donner un nom DNS au serveur qui est dans *mon cas prox.lerenard.eu* mais vous pouvez très bien aussi mettre *virtu.sfr.fr*, voir *deb.maison.local*. Cela dépend du nom de domaine que vous avez sur votre réseau local.

Cela fera que mon proxmox aura comme nom prox

Puis après, sois vous gardé l'IP donner par Proxmox sois vous lui mettez une autre adresse IP. Dans les deux cas, l'IP sera fix.

Enfin, vous spécifier si besoin l'IP du routeur et du serveur DNS. Ici cela est configuré automatiquement sauf si aucun câble réseau connecté ou mauvaise carte sélectionné :



The screenshot shows the 'Management Network Configuration' screen in the Proxmox VE Installer. The Proxmox logo and 'Proxmox VE Installer' text are at the top. Below the title, there are instructions: 'Please verify the displayed network configuration. You will need a valid network configuration to access the management interface after installing.' and '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.' The configuration form below has the following fields: 'Management Interface' (dropdown menu showing 'enp30s0 - 2c:27:d7:86:3f:0f (tg3)'), 'Hostname (FQDN)' (text input 'prox.lerenard.eu'), 'IP Address (CIDR)' (text input '192.168.1.3' with a netmask '22' in a separate box), 'Gateway' (text input '192.168.1.1'), and 'DNS Server' (text input '192.168.1.1'). At the bottom, there are 'Abort', 'Previous', and 'Next' buttons.

Après cela, il va donc montrer le résumé de ce qu'on à fais tous le long

:

Summary

Please confirm the displayed information. Once you press the **Install** button, the installer will begin to partition your drive(s) and extract the required files.

Option	Value
Filesystem:	ext4
Disk(s):	/dev/sda
Country:	France
Timezone:	Europe/Paris
Keymap:	fr
Email:	exemple@gmail.com
Management Interface:	enp30s0
Hostname:	prox
IP CIDR:	192.168.1.105/22
Gateway:	192.168.1.1
DNS:	192.168.1.1

Automatically reboot after successful installation

Abort

Previous

Install

On

fait « Install » puis une fois finit il va automatiquement redémarrer :



Installation successful!

Proxmox VE is now installed and ready to use.

- **Next steps**

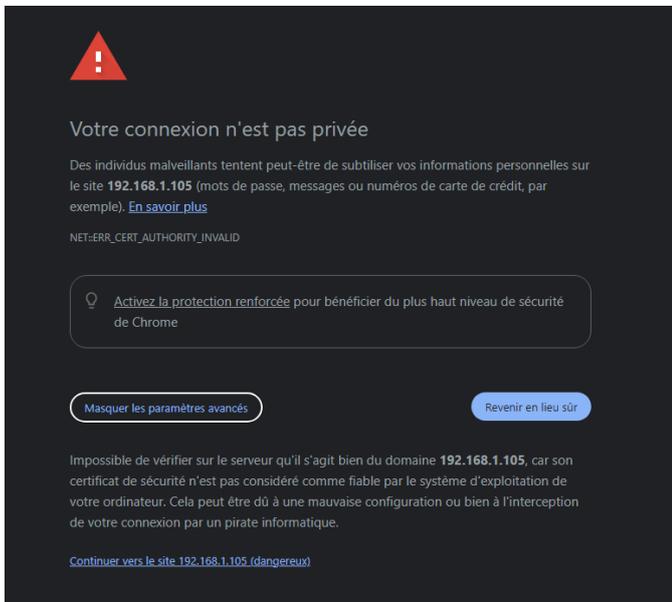
Reboot and point your web browser to the selected IP address on port 8006:

`https://192.168.1.105:8006`

Also visit www.proxmox.com for more information.

Automatic reboot scheduled in 3 seconds.

Une fois redémarré, on se rend donc depuis un navigateur web sur l'IP donner pas proxmox :



Vu que proxmox crée son propre certificat pour l'https, chrome vous prévient. Vous faite continuer vers

Vous devriez arriver ici :

Donc vous tapé root et votre mot de passe et vous pouvez avant changé la langue si vous le souhaitez :

