

1. **Activer la virtualisation**

Je suis allé dans le bios avant afin d'activer « Virtualization Technologie », ensuite j'ai donc téléchargé l'iso de proxmox ve et booter dessus afin de l'installer.

2. **Installation de PROXMOX**

Proxmox VE 7.0 (iso release 1) - <https://www.proxmox.com/>



Welcome to Proxmox Virtual Environment

Install Proxmox VE
Install Proxmox VE (Debug mode)
Rescue Boot
Test memory (Legacy BIOS)

3. **Acceptez le contrat de licence utilisateur et poursuivez.**



END USER LICENSE AGREEMENT (EULA)

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

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Abort

Previous

I agree

4. Choix du disque

On choisit ensuite le disque sur lequel on décide de mettre l'installation, dans ce cas j'ai pris un exemple sur le web (ITconnect) car le mien est déjà en place. Et sur ma configuration j'avais le choix avec un dev/sdb de 1 To.



Proxmox Virtualization Environment (PVE)

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

Press the Next button to continue installation.

- **Please verify the installation target**
The displayed hard disk is used for 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: /dev/sda (150GB, VBOX HARDDISK) ▼

Options

Abort

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5. Choix pays

On sélectionne le pays et la région et on clique sur Next(suivant).

PROXMOX Proxmox VE Installer

Location and Time Zone selection

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

Press the Next button to continue installation.

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

Country:

Time zone:

Keyboard Layout:

6. Configuration du Super-utilisateur

On ajoute un mot de passe pour le super-utilisateur "root" et d'une adresse mail.



Administration Password and E-Mail Address

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

Please provide the *root* password in this step.

- **Password:** Please use a strong password. It should have 8 or more characters. Also combine letters, numbers, and symbols.

- **E-Mail:** 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 installation.

The image shows a screenshot of the Proxmox VE Installer form. It has a light gray background. There are three input fields: 'Password' with a masked password of eight dots, 'Confirm' with a masked password of eight dots, and 'E-Mail' with the text 'Un_mail@domaine'. Below the input fields are three buttons: 'Abort' on the left, and 'Previous' and 'Next' on the right.

7. Configuration du réseau

On sélectionne ensuite la carte réseaux (souvent ens18 dans proxmox) cela dépend aussi si vous avez plusieurs cartes réseaux et on configure en adéquation avec son réseau, pour ma part mon FAI est free. L'exemple n'est pas ma configuration.

On rentre en adéquation avec notre réseau :

- L'adresse IP,
- Passerelle,
- Masque sous réseau
- DNS



Proxmox VE Installer

Management Network Configuration

Please verify the displayed network configuration. You will need a valid network configuration to access the management interface after installation.

Afterwards press the Next button. You will be shown a list of the options that you chose during the previous steps.

- **IP address:** Set the IP address for your server.
- **Netmask:** Set the netmask of your network.
- **Gateway:** IP address of your gateway or firewall.
- **DNS Server:** IP address of your DNS server.

Management Interface:

Hostname (FQDN):

IP Address:

Netmask:

Gateway:

DNS Server:

Abort

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Avant de cliquer sur le bouton "**Install**", on vérifie le résumé qui s'affiche à l'écran si tout est correct par rapport à notre souhait.



Proxmox VE Installer

Summary

Please verify the displayed informations. 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
E-Mail:	un_mail@domaine
Management Interface:	enp0s3
Hostname:	pve
IP:	192.168.1.30
Netmask:	255.255.255.0
Gateway:	192.168.1.1
DNS:	192.168.1.1

Abort

Previous

Install

On patiente pendant l'installation.



Proxmox VE Installer

Proxmox VE Cluster

With **Proxmox VE** you can join multiple physical servers to one VE Cluster.

This flexible multi-master cluster eliminates a single point of failure.

- **Central management**
Create and manage new Virtual Servers by simply selecting the node where it should run.
- **Proxmox Cluster file system (pmxcfs)**
Database-driven file system for storing configuration files, replicated in realtime on all nodes using corosync.

extracting pve-qemu-kvm_6.0.0-2_amd64.deb
71%

A horizontal progress bar with a blue segment indicating 71% completion.

Une fois l'installation terminée, vous obtenez le message "**Installation successful !**".



Installation successful!

The Proxmox Virtual Environment is now installed and ready to use.

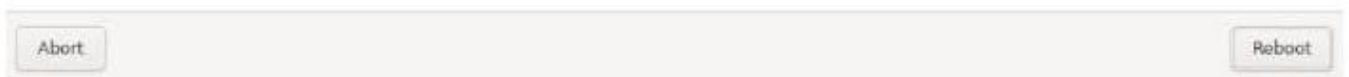
• Next steps

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

`https://192.168.1.30:8006`

Also visit www.proxmox.com for more information.

192.168.1.30

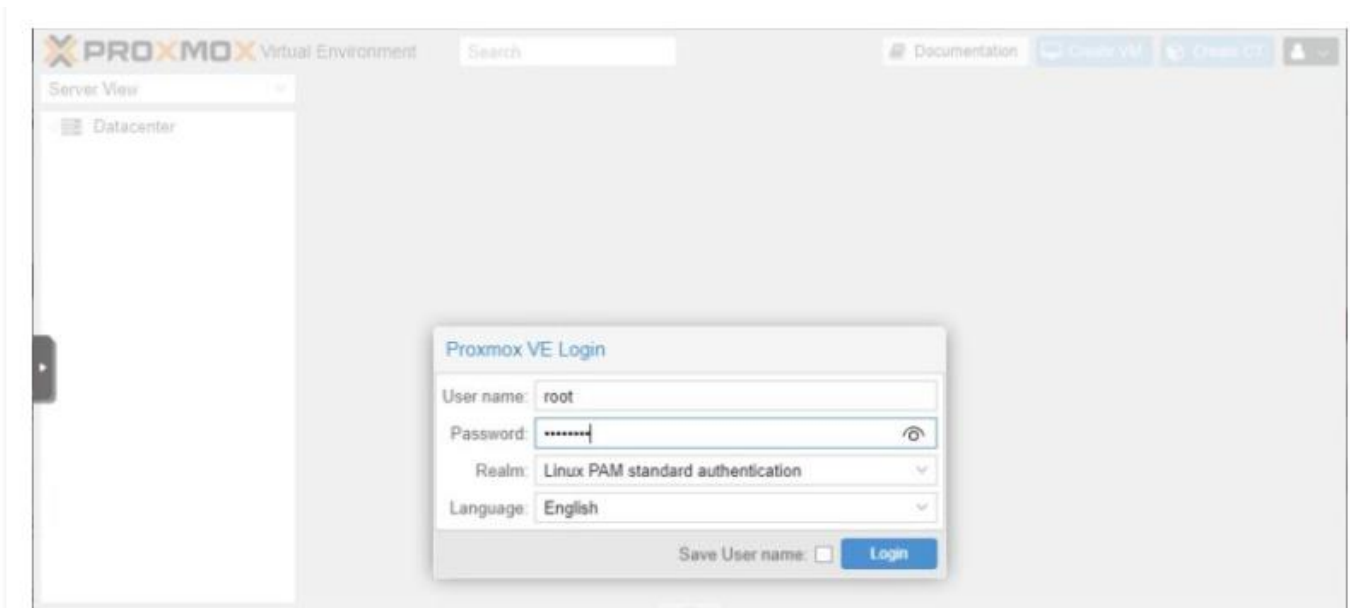


8. Connexion à l'interface web

On peut ensuite aller sur l'interface web avec l'adresse IP que l'on a configuré et on ajoute le port :8006 via un ordinateur qui est sur le même réseau. (Je montrerais plus tard comment mettre en SSL sur le web avec un certificat Let'sencrypt.)

`Https:// <IP PROXMOX> :8006`

Cela devrait donner quelque chose comme ça ;



Definissez correctement l'option "Realm" du formulaire d'authentification :

Précisions concernant l'option "Realm" du formulaire d'authentification :

PAM est le module d'authentification enfichable utilisé dans les systèmes d'exploitation Linux/UNIX/BSD pour stocker les informations de l'utilisateur local. Il est stocké au niveau du système et délègue l'autorisation de se connecter à une machine. C'est le module par défaut sous Linux.

PVE est une base de données stockée dans Proxmox qui stocke des informations sur les utilisateurs pouvant se connecter à l'interface Web de Proxmox. Elle n'accorde pas d'autorisation pour des choses comme la connexion SSH ou Shell au système d'exploitation sous-jacent, au lieu de cela, il délègue uniquement l'autorisation de se connecter aux interfaces Proxmox, comme la Web GUI ou l'API.

Maintenant vous pouvez vous connecter avec en login « root » et en mot de passe celui que vous avez créé.