

Proxmox Backup Serveur

Tous les serveurs ont besoin d'une sauvegarde de secours au cas où ces derniers tomberaient en panne, c'est ici qu'intervient le serveur backup, suivez ce guide afin de savoir comment installer votre backup sous Proxmox.



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TELECHARGER L'ISO

INSTALLER BACKUP PROXMOX

PROGRAMMER UNE SAUVEGARDE

ETAPE 1 : LES PREREQUIS

Configuration minimale :

- CPU 64bit 2 cœurs minimum
- 2GB de RAM (mémoire vive)
- Minimum 8GB d'espace libre sur disque dur
- Carte réseau et accès à internet
- L'iso correspondant (ici la backup Proxmox 3.0-1)
- Un navigateur de recherche (recommander Chrome, Firefox, Edge, Safari)

ETAPE 2 : TELECHARGER L'ISO

Pour télécharger l'iso, rendez vous sur <https://www.proxmox.com/en/downloads/proxmox-backup-server/iso> et sélectionnez la version que vous désirez utiliser. Toutefois gardez en tête que ce guide s'applique à la version 3.0-1.

Puis tapez ces lignes >apt update

```
>apt install proxmox-backup-server
```

Une fois les paquets installés, si vous êtes sur une machine Debian

```
>apt update
```

```
>apt install proxmox-backup
```

N'oubliez pas de vous connecter en HTTPS sur le port 8007 (ne pas utiliser de versions non sécurisées) lorsque vous voudrez accéder à l'interface web.

Comment installer le backup Proxmox

Une fois votre serveur Proxmox existant, vous aurez besoin d'une autre machine, de préférence distante, afin d'installer le backup de ce dernier. Suivez les étapes de ce guide afin d'installer ce dernier

Backup server

Une fois sur l'interface web

Proxmox Backup Server 3.0 (iso release 1) - <https://www.proxmox.com/>



Welcome to Proxmox Backup Server

Install Proxmox Backup Server (Graphical)
Install Proxmox Backup Server (Console)
Advanced Options

enter: select, arrow keys: navigate, esc: back

Choisissez l'option d'installation que vous désirez, ici nous choisiront la version console.

```
[ 0.190716] RETbleed: WARNING: Spectre v2 mitigation leaves CPU vulnerable to
RETbleed attacks, data leaks possible!
Welcome to the Proxmox Backup Server 3.0 Installer
initial setup startup
mounting proc filesystem
mounting sys filesystem
boot commandline: BOOT_IMAGE=/boot/linux26 ro ramdisk_size=16777216 rw quiet spla
loading drivers: i2c_piix4 pata_acpi ahci video mac_hid vboxguest sr_mod ohci_p
e pcspkr intel_cstate rapl aesni_intel sha512_ssse3 ghash_clmulni_intel polyval_
cooling_intel_rapl_common
modprobe: ERROR: could not insert 'intel_cstate': No such device
modprobe: ERROR: could not insert 'intel_tcc_cooling': No such device
searching for block device containing the ISO proxmox-backup-server-3.0-1
with ISO ID '5d145420-1501-11ee-a40c-7fb0fe0bd0d3'
testing device '/dev/sr0' for ISO
found Proxmox Backup Server ISO
switching root from initrd to actual installation system
Starting Proxmox installation
Installing additional hardware drivers
Starting hotplug events dispatcher: systemd-udevd.
Synthesizing the initial hotplug events (subsystems)...done.
Synthesizing the initial hotplug events (devices)...done.
Waiting for /dev to be fully populated...[ 2.729598] [drm:vmw_host_printf [vm
wgfx]] *ERROR* Failed to send host log message.
```

Une fois l'installation initiée, continuez les étapes de l'interface web

Backup server



Proxmox Backup Server

END USER LICENSE AGREEMENT (EULA)

END USER LICENSE AGREEMENT (EULA) FOR PROXMOX BACKUP SERVER

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

Abort

Previous

I agree

Acceptez la EULA (la lire est important même si la plupart des gens ne la liront pas)



Proxmox Backup Server

Proxmox Backup Server (PBS)

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.

To continue the installation, press the Next button.

- **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: /dev/sda (32.00GiB, VBOX HARDDISK) ▼

Options

Abort

Previous

Next

Choisissez le disque sur lequel vous installerait le système d'exploitation (OS, Operating System)

Backup server

Choisissez votre zone géographique, votre fuseau horaire et la langue de votre clavier



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.

Country

Time zone

Keyboard Layout

Cochez le reboot automatique et vérifiez les informations, puis cliquez sur install



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:	test@mail.com
Management Interface:	enp0s3
Hostname:	pbs
IP CIDR:	192.168.1.200/24
Gateway:	192.168.1.200
DNS:	192.168.1.1

☒ Automatically reboot after successful installation

Backup server



Proxmox Backup Server

Enterprise Backup Solution

Open-Source Backup Software for Servers

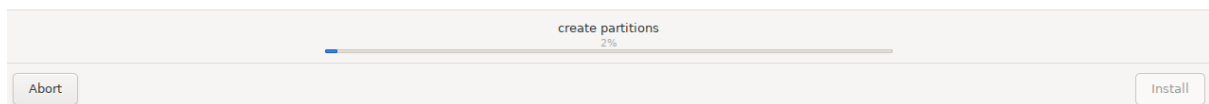
- Client/server backup system
 - Secure backups for VMs, container, and hosts
 - Deduplication
 - Incremental backups
 - Remote sync
 - Easy management
- For more information, visit www.proxmox.com or the Proxmox Backup Server project page.

Graphical User Interface

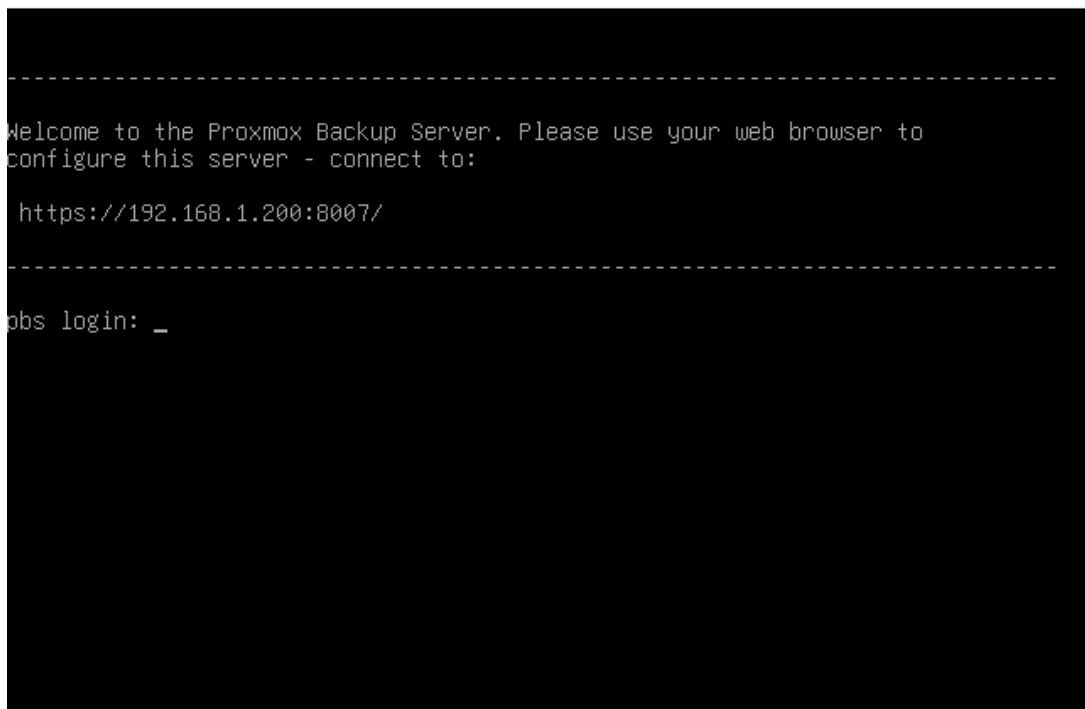
Easily manage your backups with the integrated web interface.

Performance

The entire software stack is written in Rust and provides high speed, performance, and memory efficiency.



Attendez la fin de l'installation pour son bon déroulement, évidemment, ne pas éteindre la machine



Une fois installé, votre terminal vous demande un login puis votre mot de passe

Backup server

```
pbs login: root
Password:
Linux pbs 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17T05:58Z) x86_64

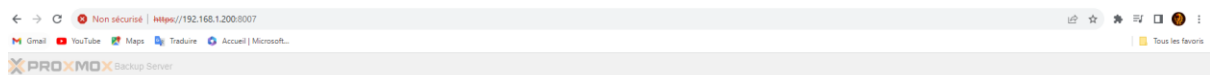
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
root@pbs:~#
```

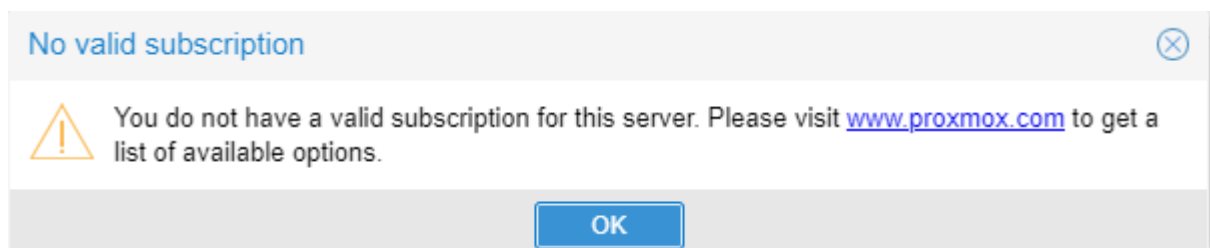
Et voilà votre serveur prêt à être administré

Comment programmer une sauvegarde

ETAPE 1 : SE CONNECTER AU SERVEUR DE BACKUP

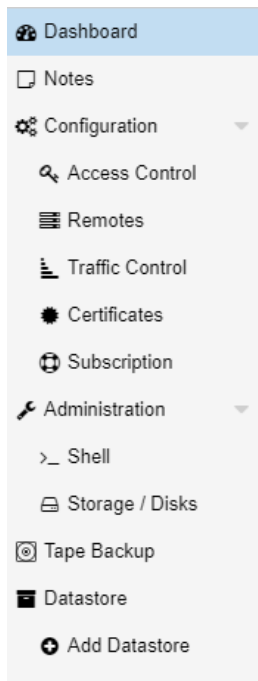


Rentrer les identifiants (login) et le mot de passe que vous avez configuré pour le backup server sur son interface web (soit <https://ADRESSE-IP-DE-VOTRE-SERVEUR:8007>)

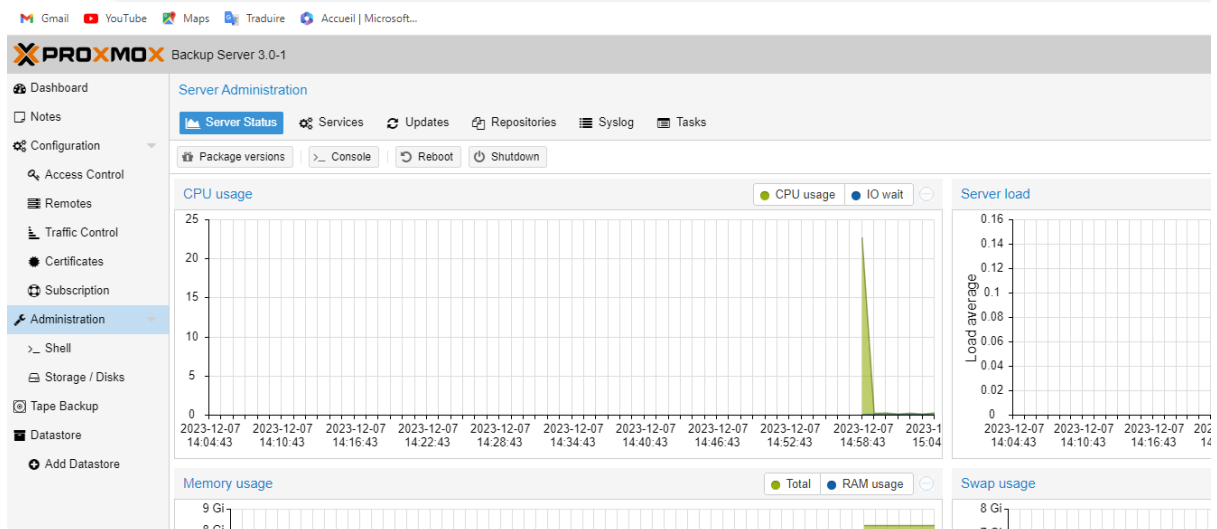


Ce pop-up apparaîtra, c'est tout à fait normal, cliquez sur ok

Backup server



Accédez à Administration



Cliquez sur Update

Server Administration			
<div>Server Status Services Updates Repositories Syslog Tasks</div>			
<div>Refresh Upgrade Changelog</div>			
Package ↑	Version		Description
	current	new	

Téléchargez l'update

```
Task viewer: Update package database

Output Status

Stop Download

2023-12-07T15:06:27+01:00: starting apt-get update
2023-12-07T15:06:27+01:00: Ign:1 http://ftp.fr.debian.org/debian bookworm InRelease
Ign:2 http://ftp.fr.debian.org/debian bookworm-updates InRelease
Err:3 http://ftp.fr.debian.org/debian bookworm Release
  Cannot initiate the connection to ftp.fr.debian.org:80 (2a01:e0c:1:1598::2). - connect (101: Network is unreachable) Cannot initiate the connection to ftp.fr.debia
Err:4 http://ftp.fr.debian.org/debian bookworm-updates Release
  Cannot initiate the connection to ftp.fr.debian.org:80 (2a01:e0c:1:1598::2). - connect (101: Network is unreachable) Cannot initiate the connection to ftp.fr.debia
Ign:5 http://security.debian.org bookworm-security InRelease
Err:6 http://security.debian.org bookworm-security Release
  Cannot initiate the connection to security.debian.org:80 (2a04:4e42::644). - connect (101: Network is unreachable) Cannot initiate the connection to security.de
Ign:7 https://enterprise.proxmox.com/debian/pbs bookworm InRelease
Err:8 https://enterprise.proxmox.com/debian/pbs bookworm Release
  Cannot initiate the connection to enterprise.proxmox.com:443 (2001:41d0:203:7470::34). - connect (101: Network is unreachable) Cannot initiate the connection
Reading package lists...
```

2023-12-07T15:06:27+01:00: WARN: E: The repository 'http://ftp.fr.debian.org/debian bookworm Release' does not have a Release file.
E: The repository 'http://ftp.fr.debian.org/debian bookworm-updates Release' does not have a Release file.
E: The repository 'http://security.debian.org bookworm-security Release' does not have a Release file.
E: The repository 'https://enterprise.proxmox.com/debian/pbs bookworm Release' does not have a Release file.

2023-12-07T15:06:27+01:00: TASK WARNINGS: 1

Cliquez sur Upgrade

Server Administration

Server Status Services **Updates** Repositories Syslog Tasks

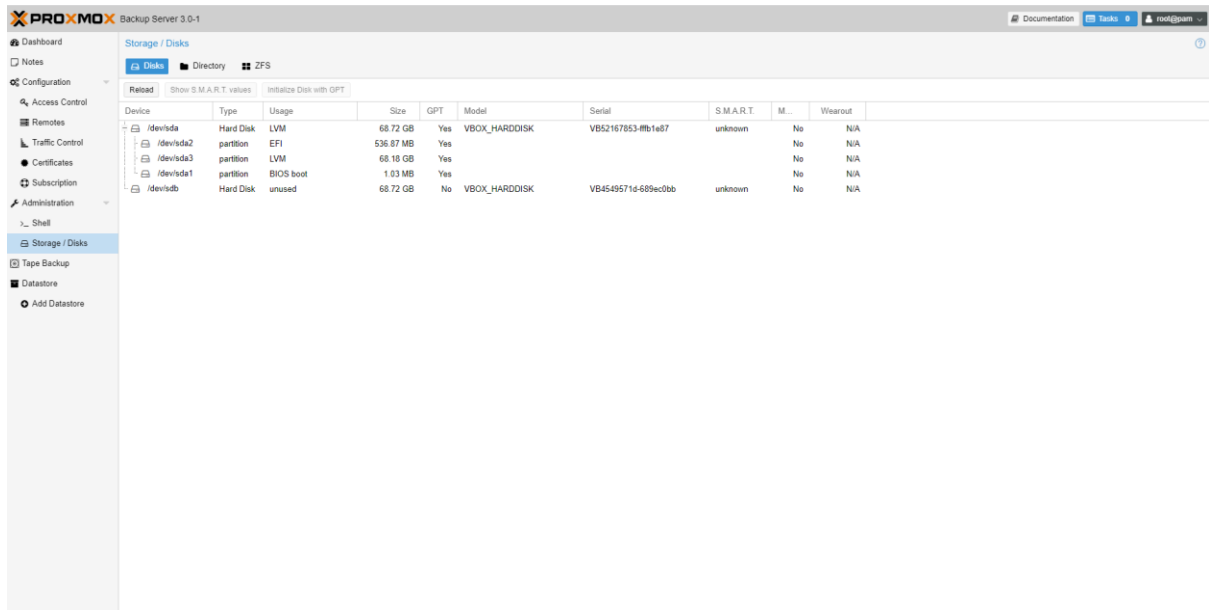
Refresh Upgrade Changelog

Package ↑	Version		Description
	current	new	

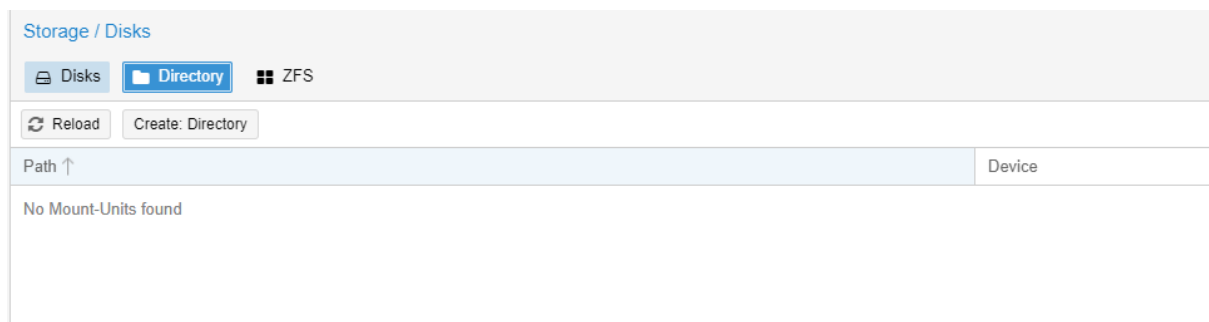
Puis dans le précédent menu, celui à droite de la page, cliquez sur « Storage/Disks »

Storage / Disks

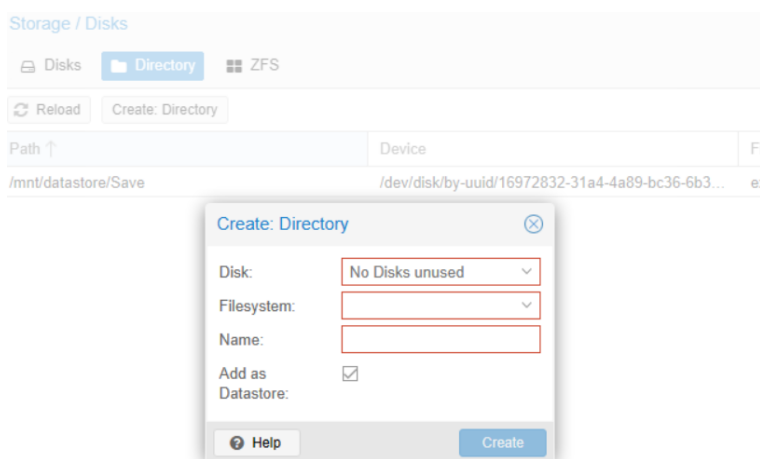
Backup server



Puis cliquez sur « Directory »

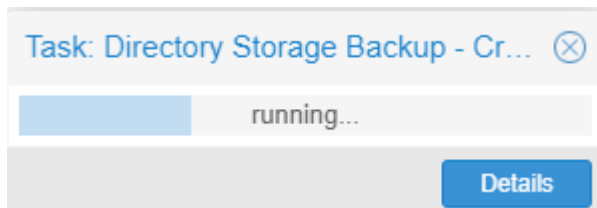


Il vous suffit de créer votre directory et de cliquer sur « Create »

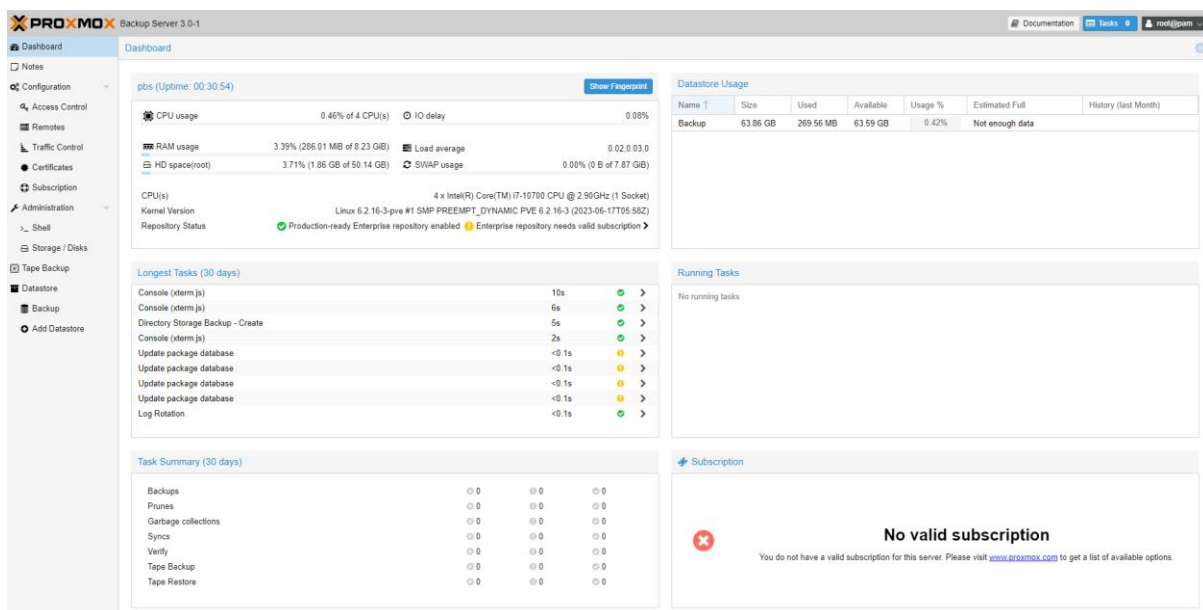


Backup server

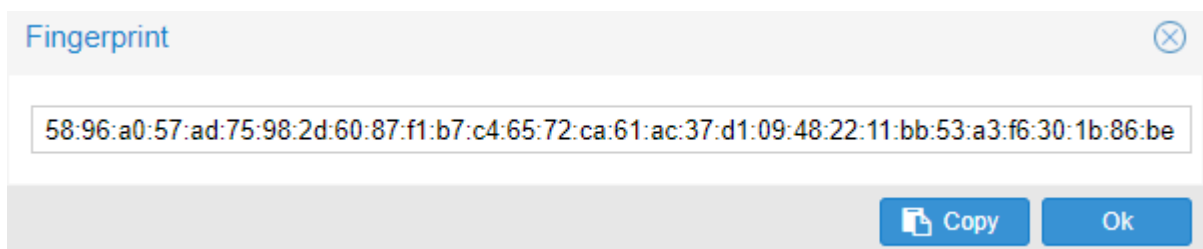
Laissez la Directory se créer



Puis aller dans Dashboard et sélectionnez « Show Fingerprint »



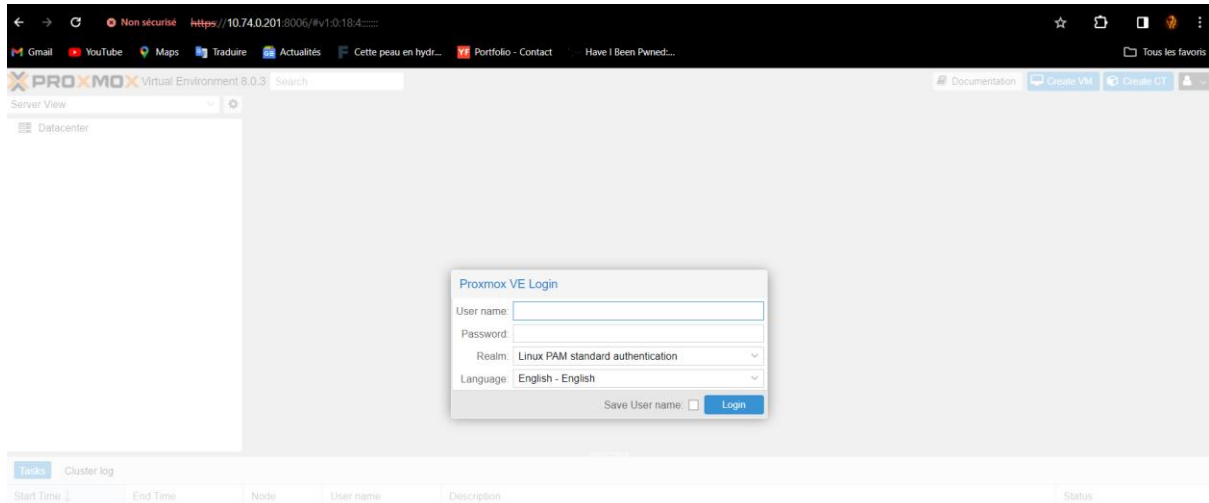
Puis copiez l'emprunte



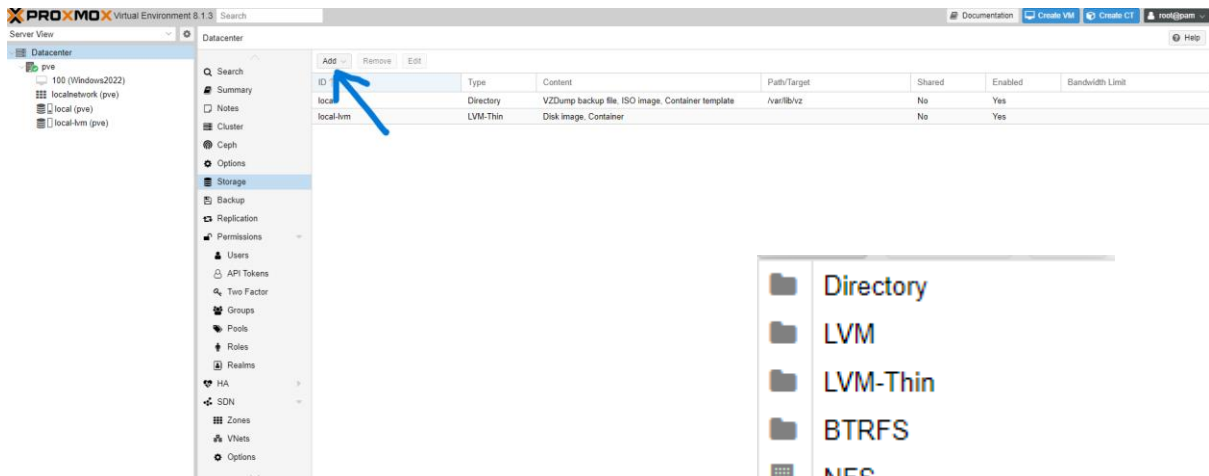
Backup server

ETAPE 2 : SE CONNECTER AU SERVEUR PRINCIPAL

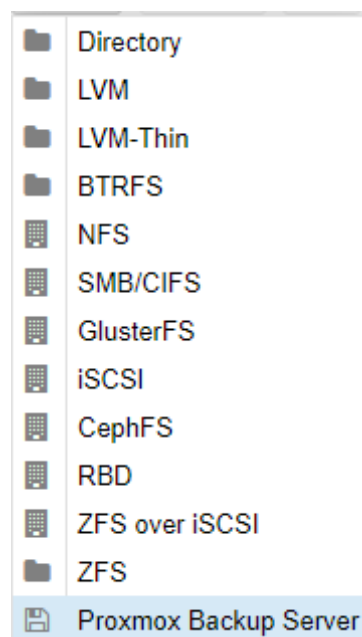
Rentrez vos identifiants et votre mot de passe



Puis allez dans « Storage » et cliquez sur add



Choisissez « Proxmox Backup Server »



Backup server

Configurez votre backup server à l'aide de sa « fingerprint » copiée précédemment

Add: Proxmox Backup Server

GeneralBackup RetentionEncryption

ID:Save

Server:192.168.1.200

Username:root@pbs

Password:.....

Nodes:pve

Enable:☒

Content:backup

Datastore:Backup

Namespace:Root

Fingerprint:98:2d:60:87:f1:b7:c4:65:72:ca:61:ac:37:d1:09:48:22:11:bb:53:a3:f6:30:1b:86:be

HelpAdd

Puis configurez la redondance, renseignez l'adresse email, le type de sauvegarde...etc

Create: Backup Job

GeneralRetentionNote Template

Node:-- All --

Storage:local

Schedule:Editable

Selection mode:Include selected VMs

Notification mode:Default (Auto)

Send email:Always

Send email to:

Compression:ZSTD (fast and good)

Mode:Snapshot

Enable:☒

Job Comment:

ID ↑	Node	Status	Name	Type	
<input type="checkbox"/>	100	pve	stopped	Windows2022	Virtual Machine

HelpAdvanced☐Create

Create: Backup Job

GeneralRetentionNote Template

Node:-- All --

Storage:local

Schedule:21:00

Selection mode:Include selected VMs

Notification mode:Default (Auto)

Send email:Always

Send email to:test@gmail.com

Compression:ZSTD (fast and good)

Mode:Snapshot

Enable:☒

Job Comment:

ID ↑	Node	Status	Name	Type	
<input checked="" type="checkbox"/>	100	pve	stopped	Windows2022	Virtual Machine

HelpAdvanced☐Create

Et voilà votre sauvegarde est enregistrée et consultable dans « Storage »

Add Remove Edit Job Detail Run now							
Enabled	Node	Schedule	Next Run	Storage	Comment	Retention	Selection
✓	-- All --	21:00	2023-12-11 21:00:00	local		Fallback from storage config	100