



**WIREGUARD**

# **Documentation WIREGUARD**

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# **Sommaire**

- **Définition**
- **Prérequis**
- **Installation**



# Définition

**Qu'est ce que proxmox ? : Plateforme de virtualisation open-source qui permet de gérer des machines virtuelles (VM) et des conteneurs (LXC) via une interface web.**

**Qu'est ce que Wireguard ? : VPN moderne, rapide et sécurisé, qui fonctionne avec peu de configuration et de ressources.**

**Qu'est ce qu'un LXC ? : Conteneur Linux léger qui permet d'exécuter des applications ou des systèmes isolés avec un overhead minimal.**



# Prérequis

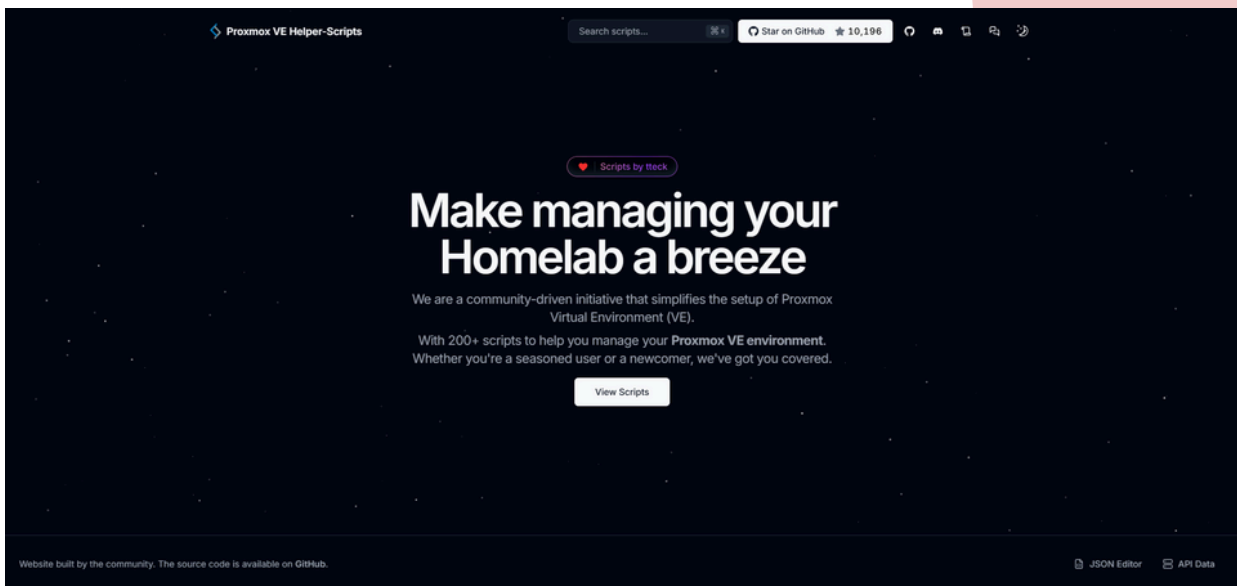
- **Un serveur Proxmox**
- **Helper scripts pour l'installation de wireguard :**  
<https://community-scripts.github.io/ProxmoxVE/scripts?id=wireguard>



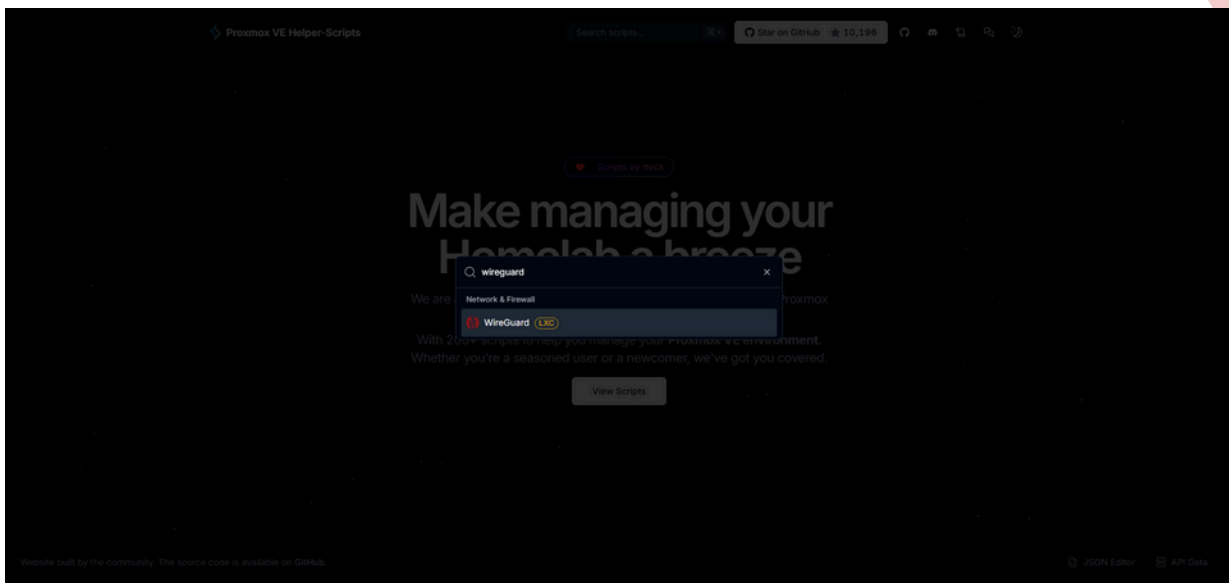
**WIREGUARD**

# Installation

**TOUT D'ABORD, RENDEZ-VOUS SUR CETTE PAGE : [HTTPS://COMMUNITY-SCRIPTS.GITHUB.IO/PROXMOXVE/](https://community-scripts.github.io/proxmoxve/)**




**RECHERCHEZ "WIREGUARD" DANS LA BARRE DE RECHERCHE.**





UNE FOIS SUR LA PAGE WIREGUARD, COPIEZ CETTE COMMANDE :  
**BASH -C "\$ (WGGET -QLO - HTTPS://GITHUB.COM/COMMUNITY-SCRIPTS/PROXMOXVE/RAW/MAIN/CT/WIREGUARD.SH)"**



**WireGuard LXC**  
Date added: 2024-05-02  
**Default settings**  
CPU: 1vCPU  
RAM: 512MB  
HDD: 4GB

**Default Interface:** 10086

[Website](#) [Documentation](#) [Source Code](#)

### Description

WireGuard is a free and open-source virtual private network (VPN) software that uses modern cryptography to secure the data transmitted over a network. It is designed to be fast, secure, and easy to use. WireGuard supports various operating systems, including Linux, Windows, macOS, Android, and iOS. It operates at the network layer and is capable of being used with a wide range of protocols and configurations. Unlike other VPN protocols, WireGuard is designed to be simple and fast, with a focus on security and speed. It is known for its ease of setup and configuration, making it a popular choice for personal and commercial use.

Wireguard and WGDashboard are not the same. More info:  
<https://donaldzou.github.io/WGDashboard-Docmentation/what-is-wireguard-what-is-wgdashboard.html>

### How to install

To create a new Proxmox VE WireGuard LXC, run the command below in the Proxmox VE Shell.

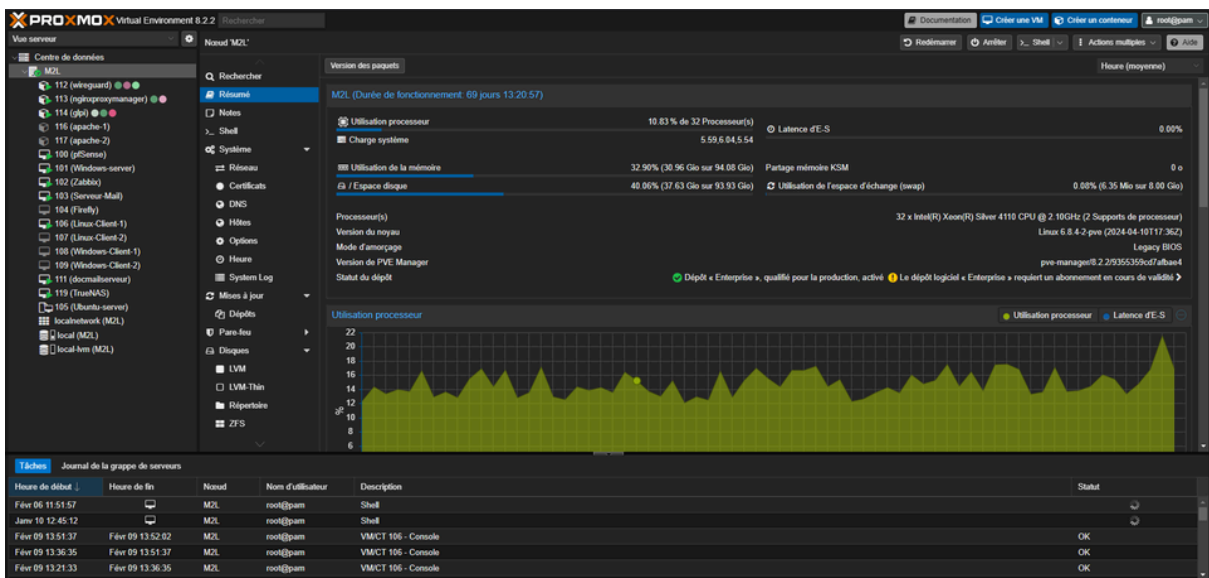
```
bash -c "$(wgget -qLO - https://github.com/community-scripts/ProxmoxVE/raw/main/ct/wireguard.sh)"
```

### Default Login Credentials

You can use the following credentials to login to the WireGuard ct.

Username: **admin**  
Password: **admin**

**RENDEZ-VOUS MAINTENANT SUR PROXMOX.**



The screenshot shows the Proxmox VE interface with the WireGuard LXC configuration and monitoring page. The left sidebar shows a list of VMs and LXC containers. The main panel displays the configuration for the WireGuard LXC, including the default settings (CPU: 1vCPU, RAM: 512MB, HDD: 4GB) and the default interface (10086). The 'Description' section provides information about WireGuard and its usage. The 'How to install' section shows the command to create a new WireGuard LXC. The 'Default Login Credentials' section shows the username (admin) and password (admin). The 'Monitoring' section shows a graph of CPU usage over time.

Heure de début	Heure de fin	Nom	Nom d'utilisateur	Description	Statut
Févr 06 11:51:57		M2L	root@pam	Shell	
Janv 10 12:45:12		M2L	root@pam	Shell	
Févr 09 13:51:37	Févr 09 13:52:02	M2L	root@pam	VM/CT 105 : Console	OK
Févr 09 13:36:35	Févr 09 13:51:37	M2L	root@pam	VM/CT 105 : Console	OK
Févr 09 13:21:33	Févr 09 13:36:35	M2L	root@pam	VM/CT 105 : Console	OK



## ALLEZ DANS LE SHELL.

The screenshot shows the Proxmox VE web interface. On the left is a sidebar with navigation options: Recherche, Résumé, Notes, Shell (selected), Système, Réseau, Certificats, DNS, Hôtes, Options, Heure, System Log, Mises à jour, Dépôts, Pare-feu, Disques, LVM, LVM-Thin, Répertoire, and ZFS. The main panel displays the terminal for VM 'M2L'. The terminal output shows the Linux boot sequence, including the kernel version (6.8.4-2-pve), the Debian GNU/Linux version (6.8.4-2), and the last login time (Fri Feb 7 15:26:22 CET 2025 on pts/3). The prompt is root@M2L:~#.

**COLLEZ LA COMMANDE COPIÉE PRÉCÉDEMMENT :  
BASH -C "\$ (WGET -QLO - HTTPS://GITHUB.COM/COMMUNITY-  
SCRIPTS/PROXMOXVE/RAW/MAIN/CT/WIREGUARD.SH)"**

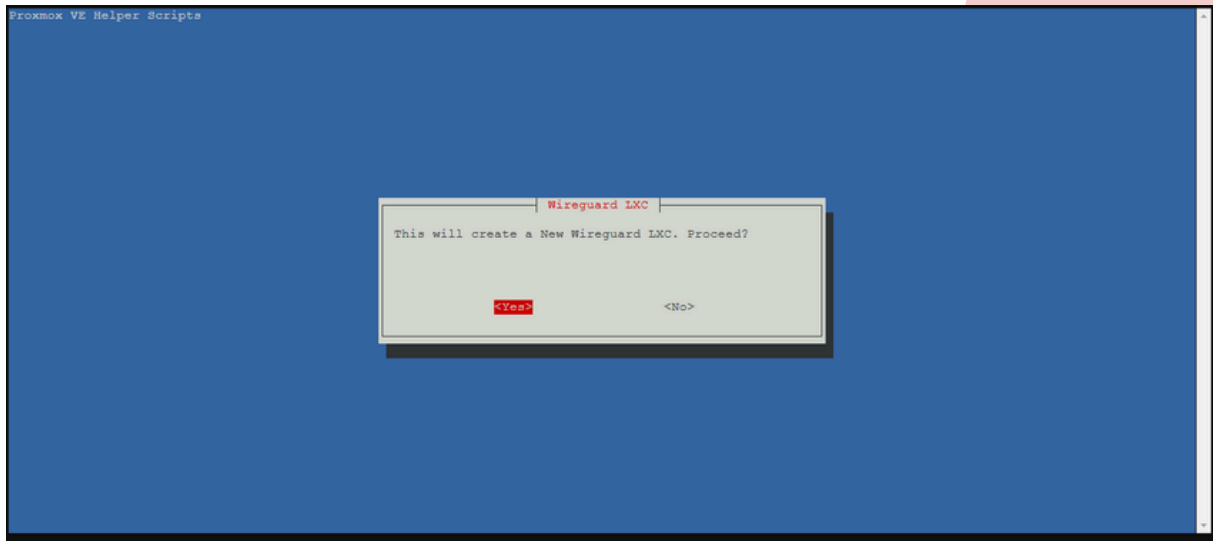
```
Linux M2L 6.8.4-2-pve #1 SMP PREEMPT_DYNAMIC PMX 6.8.4-2 (2024-04-10T17:36Z) x86_64

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.

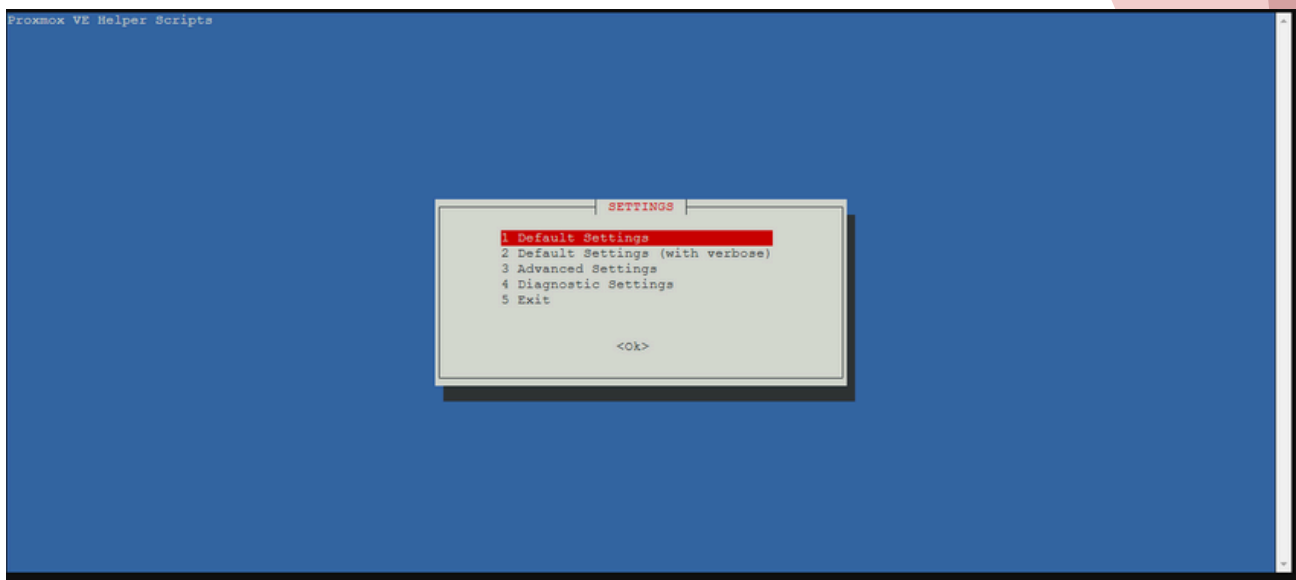
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Fri Feb 7 15:26:22 CET 2025 on pts/3
root@M2L:~# bash -c "$(wget -qLO - https://github.com/community-scripts/ProxmoxVE/raw/main/ct/wireguard.sh)"
```



**LA COMMANDE SE LANCE, APPUYEZ SUR YES.**



**CHOISISSEZ LES PARAMÈTRES PAR DÉFAUT (DEFAULT SETTINGS).**







# WIREGUARD

## L'INSTALLATION DÉMARRE.

```
⚙️ Using Default Settings on node M2L
📄 Operating System: debian
🌟 Version: 12
🔑 Container Type: Unprivileged
💿 Disk Size: 4 GB
🖨️ CPU Cores: 1
⚡ RAM Size: 512 MiB
📁 Container ID: 110
🔪 Creating a Wireguard LXC using the above default settings

↳ Validating Storage
```

## ATTENDEZ LA FIN DE L'INSTALLATION.

```
⚙️ Using Default Settings on node M2L
📄 Operating System: debian
🌟 Version: 12
🔑 Container Type: Unprivileged
💿 Disk Size: 4 GB
🖨️ CPU Cores: 1
⚡ RAM Size: 512 MiB
📁 Container ID: 110
🔪 Creating a Wireguard LXC using the above default settings

✓ Using local for Template Storage.
✓ Using local-lvm for Container Storage.
✓ Updated LXC Template List
✓ LXC Container 110 was successfully created.
✓ Started LXC Container
✓ Set up Container OS
✓ Network Connected: 192.168.1.196
✓ IPv4 Internet Connected
✗ IPv6 Internet Not Connected
✓ DNS Resolved github.com to 140.82.121.4
✓ Updated Container OS
✓ Installed Dependencies
↳ Installing WireGuard
```



# WIREGUARD

**ET VOILA L'INSTALLATION EST TERMINEE**

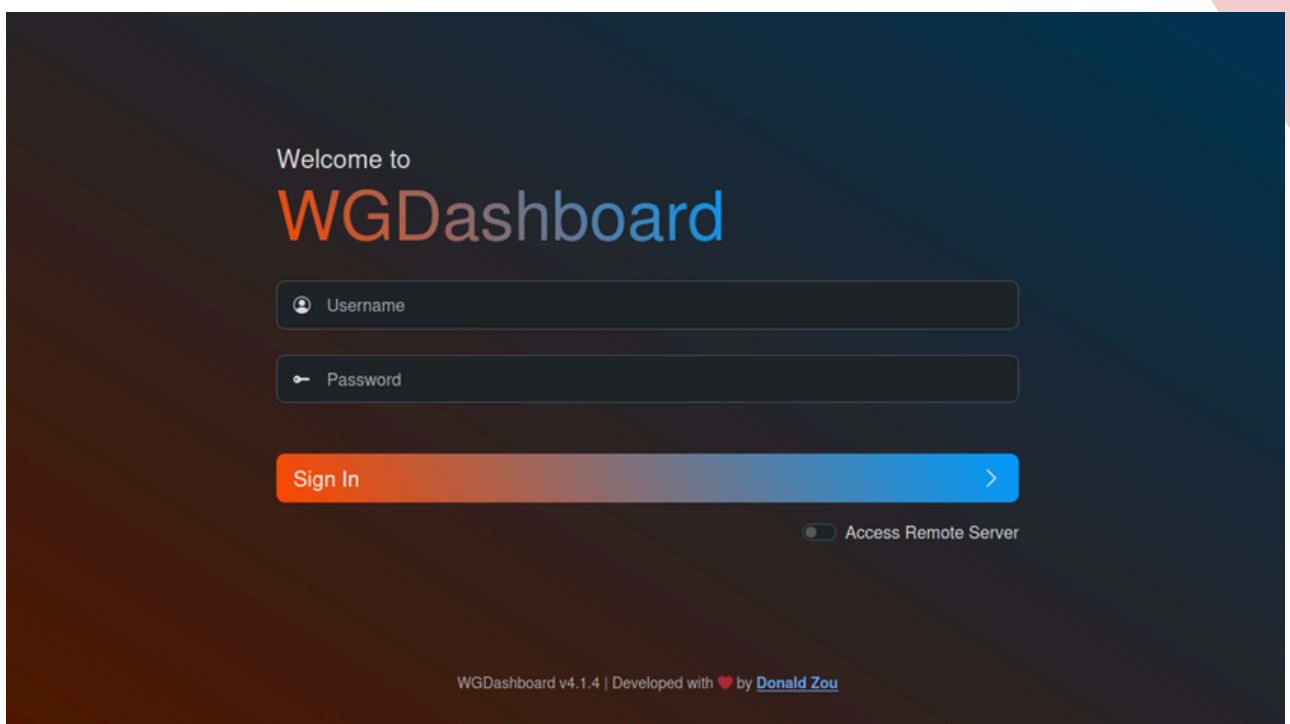
```
Using Default Settings on node M2L
Operating System: debian
Version: 12
Container Type: Unprivileged
Disk Size: 4 GB
CPU Cores: 1
RAM Size: 512 MiB
Container ID: 110
Creating a Wireguard LXC using the above default settings

✓ Using local for Template Storage.
✓ Using local-lvm for Container Storage.
✓ Updated LXC Template List
✓ LXC Container 110 was successfully created.
✓ Started LXC Container
✓ Set up Container OS
✓ Network Connected: 192.168.1.196
✓ IPv4 Internet Connected
+ IPv6 Internet Not Connected
✓ DNS Resolved github.com to 140.82.121.4
✓ Updated Container OS
✓ Installed Dependencies
✓ Installed WireGuard
✓ Installed WGDashboard
✓ Created Example Config for WGDashboard
✓ Created Service
✓ Customized Container
✓ Cleaned
✓ Completed Successfully!

Wireguard setup has been successfully initialized!
WGDashboard Access it using the following URL:
🌐 http://192.168.1.196:10086
root@M2L:~#
```

**UNE FOIS L'INSTALLATION TERMINÉE, UNE ADRESSE IP S'AFFICHE. ÉCRIVEZ-LA DANS LA BARRE D'URL DE VOTRE NAVIGATEUR POUR ACCÉDER À L'INTERFACE WIREGUARD.**

**VOUS ARRIVEZ SUR LA PAGE DE CONNEXION DE WIREGUARD.**





**WIREGUARD**

**LES IDENTIFIANTS PAR DÉFAUT SONT ADMIN / ADMIN.**

Welcome to  
**WGDashBoard**

**Sign In** >

☐ Access Remote Server

WGDashBoard v4.1.4 | Developed with ❤ by [Donald Zou](#)

**UNE FOIS CONNECTÉ, VOUS ACCÉDEZ À LA PAGE D'ACCUEIL.**

**Nice to meet you!**  
Please fill in the following fields to finish setup 😊

**Create an account**

Enter an username you like

Enter a password (At least 8 characters and make sure is strong enough!)

Confirm password

**Next** >



# WIREGUARD

**PROCÉDEZ À LA CRÉATION D'UN COMPTE EN DÉFINISSANT UN NOM D'UTILISATEUR ET UN MOT DE PASSE.**

Nice to meet you!

Please fill in the following fields to finish setup 😊

### Create an account

Enter an username you like

Enter a password (At least 8 characters and make sure is strong enough!)

Confirm password

Next >

**CONFIGUREZ ENSUITE L'AUTHENTIFICATION À DEUX FACTEURS AVEC UNE APPLICATION COMME GOOGLE AUTHENTICATOR.**

## Multi-Factor Authentication (MFA)

1. Please scan the following QR Code to generate TOTP with your choice of authenticator



Or you can click the link below:

<otpauth://totp/WGDashboard:Secret?secret=M03P5W755LXSJY4MELZPIZYAI5ENKZJV&issuer=WGDashboard>

2. Enter the TOTP generated by your authenticator to verify



# WIREGUARD

**SCANNEZ LE QR CODE AVEC L'APPLICATION ET ENTREZ LE CODE OBTENU DANS LE CHAMP PRÉVU À CET EFFET.**

(MFA)

1. Please scan the following QR Code to generate TOTP with your choice of authenticator



Or you can click the link below:  
<otpauth://totp/WGDashboard:Secret?secret=M03P5W755LXSJY4MELZPIZYAI5ENKZJV&issuer=WGDashboard>

2. Enter the TOTP generated by your authenticator to verify

672769 ✓

TOTP verified!

Complete >

**UNE FOIS CETTE ÉTAPE TERMINÉE, L'INSTALLATION DE WIREGUARD EST ACHEVÉE. VOUS POUVEZ MAINTENANT CONFIGURER LE CLIENT.**

WGDashboard

Home

Settings

Help

WIREGUARD CONFIGURATIONS

wg0

TOOLS

Ping

Traceroute

Sign Out

You're on the latest version (v4.1.4)

WireGuard Configurations

wg0

↓ 0 GB   ↓ 0 GB   ↑ 0 GB

Public Key +y0kXmy9vCyf0Fhg2uivrQ0/DcyAopkY69QsLWH83W4=

0 / 0 Peers

Off