

Utilisation de WireGuard dans Pfsense

1.1 Installation des package Wireguard dans Pfsense

Système > Package manager > Available package

On y cherche WireGuard et on l'installe.

1.2 Création et partage des clés

Dans l'onglet VPN > WireGuard > tunnels on peut désormais créer un tunnel avec une clé générer .



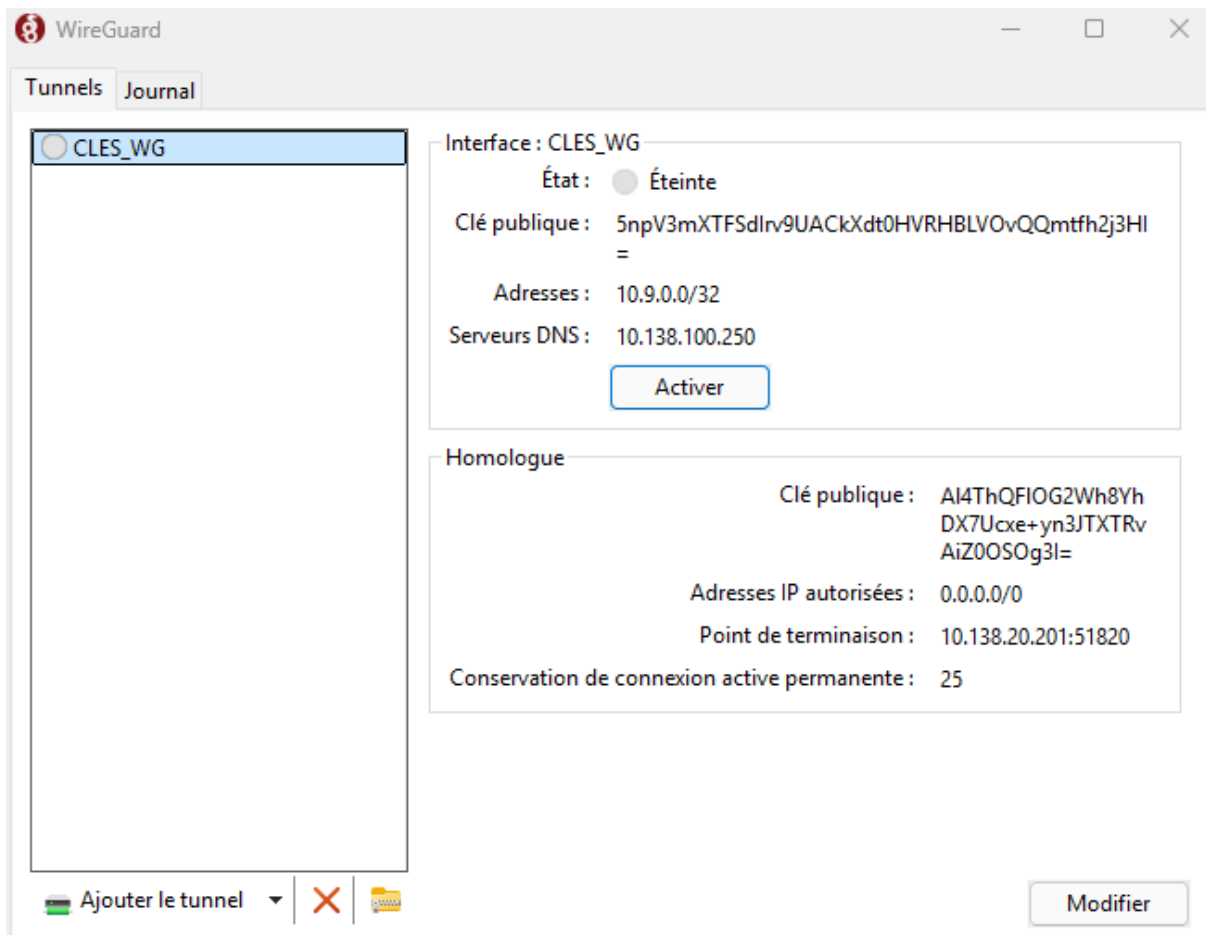
The screenshot shows the Pfsense interface for WireGuard Tunnels. The breadcrumb navigation is VPN / WireGuard / Tunnels. There are tabs for Tunnels, Peers, Settings, and Status. The Tunnels tab is active, showing a table of WireGuard Tunnels. One tunnel, tun_wg0, is listed with a description of VPN WIREGUARD, a public key, and an address assignment of WG (opt5) on port 51820. It has 1 peer. Below the tunnel list, there is a section for Peers, showing a peer named WG PC labo with its own public key, assigned to the tun_wg0 tunnel, with allowed IPs of 10.9.0.0/32 (+1) and a dynamic endpoint. An 'Add Tunnel' button is at the bottom right.

| Name | Description | Public Key | Address / Assignment | Listen Port | Peers | Actions |
|-----------|---------------|-------------------------------------|----------------------|-------------|-------|---------|
| ▼ tun_wg0 | VPN WIREGUARD | Al4ThQFIOG2Wh8YhDX7Ucxe+yn3JTXTR... | WG (opt5) | 51820 | 1 | [Icons] |

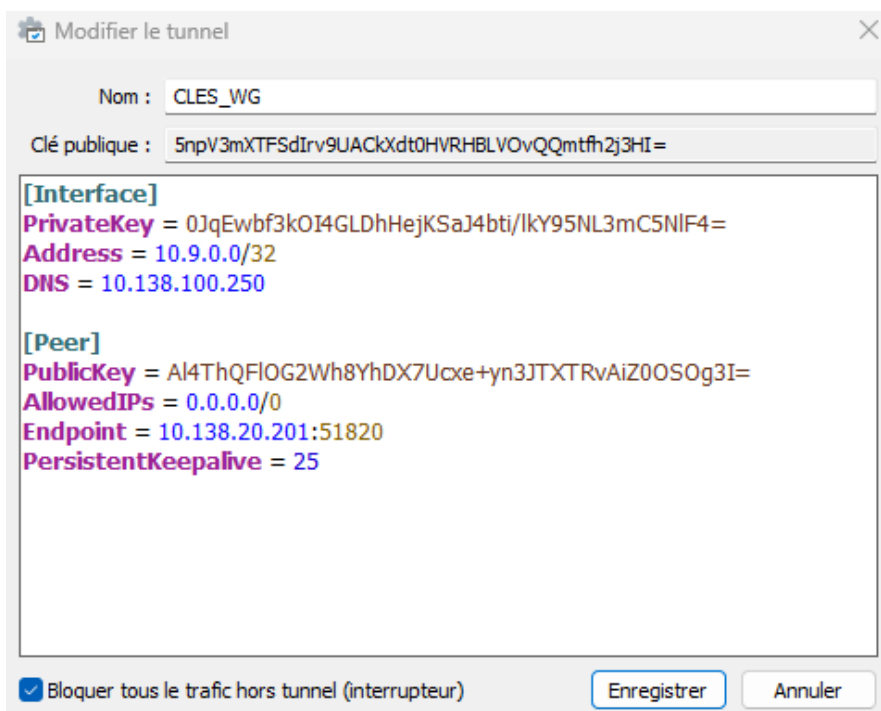
| Peers | Description | Public Key | Tunnel | Allowed IPs | Endpoint |
|-------|-------------|-------------------------------------|---------|------------------|----------|
| | WG PC labo | 5npV3mXTFSdlrv9UACKXdt0HVRHBLV0v... | tun_wg0 | 10.9.0.0/32 (+1) | Dynamic |

+ Add Tunnel

On copie cette clé et on télécharge le client WireGuard a mettre sur notre pc.



L'interface donne ça une fois configuré, pour cela faite Ajouter le tunnel en bas, Ajouter un tunnel vide.




Voici un exemple de ma configuration avec les 2 clefs une du pfsense et l'autre du client WireGuard.

1.3 Règles Pfsense







Firewall > rule > WAN

| WIREGUARD | | | | | | | | | | |  |
|--------------------------|---|-------|---------|---|---|-------------|-------|---|------|-----------------|---|
| <input type="checkbox"/> | ✓ | 0/0 B | IPv4 | * | * | WAN address | 51820 | * | none | ACCES WIREGUARD |       |
| | | | TCP/UDP | | | | | | | | |

Firewall > rule > WG (la nouvelle interface wireguard)

| Rules (Drag to Change Order) | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|-------------|-------------|----------------|---------|-------|----------|-------------|---|--|
| <input type="checkbox"/> | States | Protocol | Source | Port | Destination | Port | Gateway | Queue | Schedule | Description | Actions | |
| <input type="checkbox"/> | ✓ | 0/0 B | IPv4 * | 10.9.0.0/24 | * | 192.168.21.250 | * | * | none | |       | |

Firewall > rule > WireGuard

| Rules (Drag to Change Order) | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|-------------|-------------|----------------|---------|-------|----------|-------------|---|--|
| <input type="checkbox"/> | States | Protocol | Source | Port | Destination | Port | Gateway | Queue | Schedule | Description | Actions | |
| <input type="checkbox"/> | ✓ | 0/0 B | IPv4 * | 10.9.0.1/24 | * | 192.168.21.250 | * | * | none | |       | |

La règle NAT est faite automatiquement par Pfsense.
Avec cela le tunnel fonctionne.