

Utilisation de WireGuard dans Pfsense

1.1 Installation des package Wireguard dans Pfsense

Système > Package manager > Available package

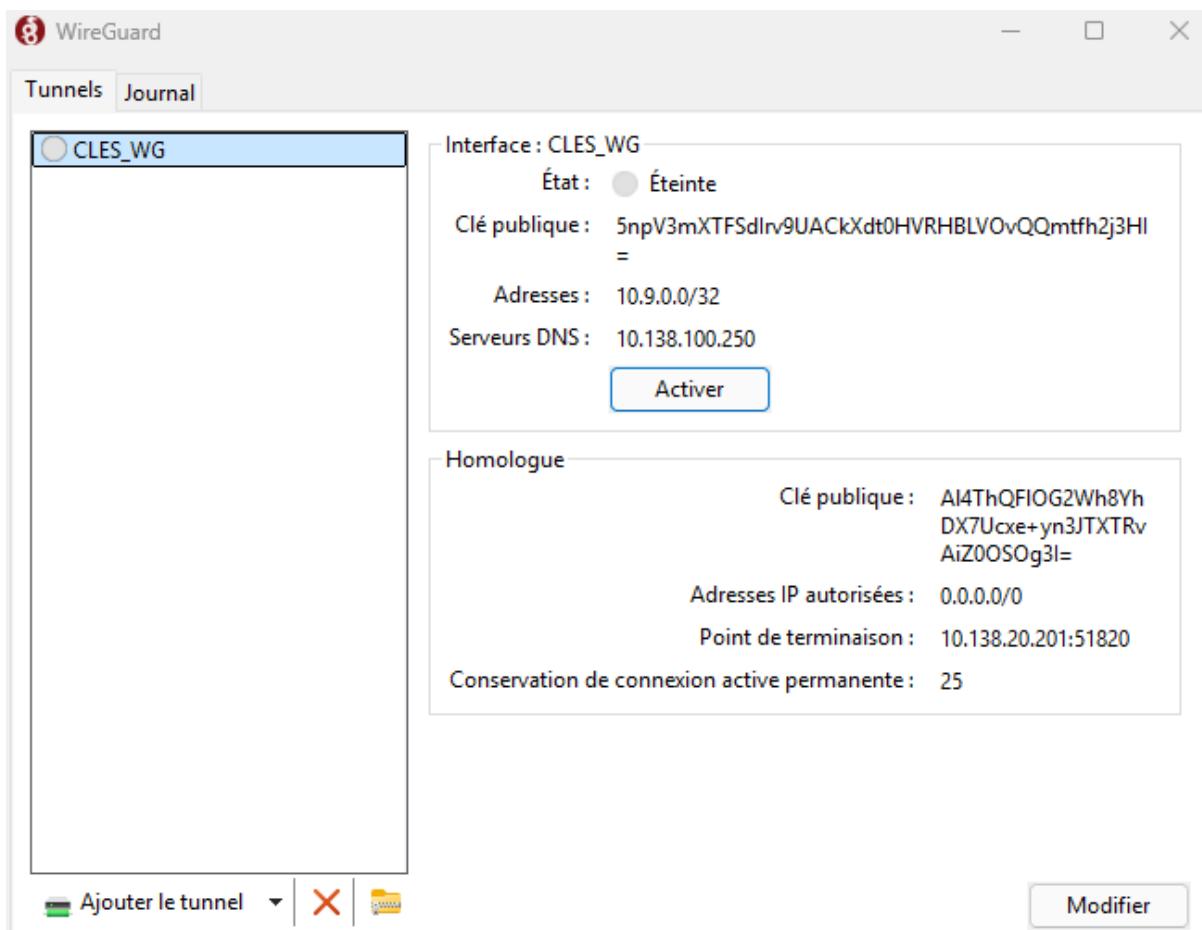
On y cherche WireGuard et on l'installe.

1.2 Création et partage des clés

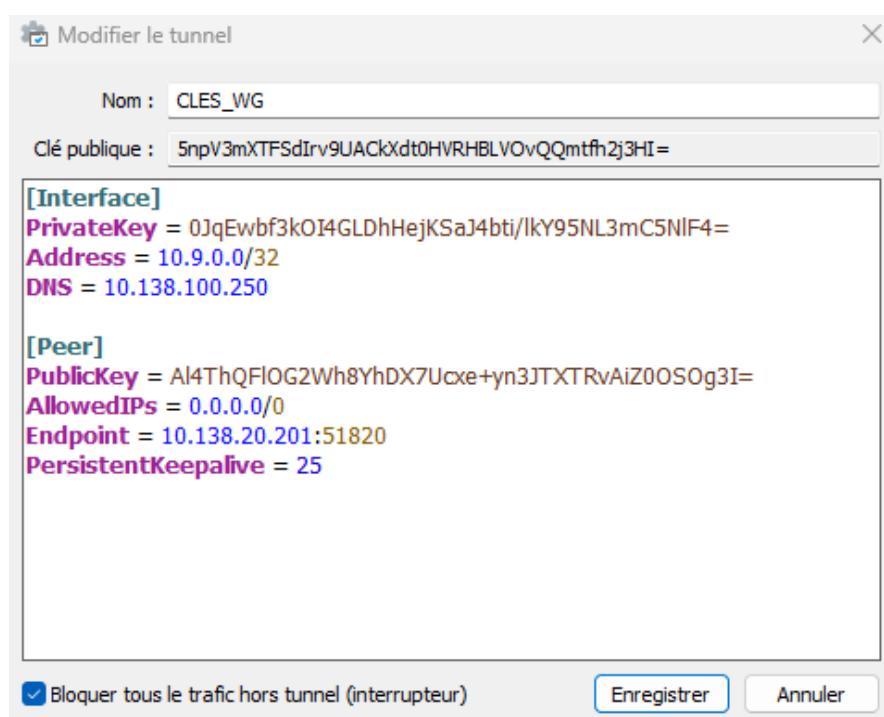
Dans l'onglet VPN > WireGuard > tunnels on peut désormais créer un tunnel avec une clé générée .

The screenshot shows the Pfsense configuration interface for WireGuard tunnels. At the top, there's a breadcrumb navigation: VPN / WireGuard / Tunnels. To the right of the breadcrumb are several icons: a magnifying glass, a gear, a refresh, and a question mark. Below the breadcrumb, there are four tabs: Tunnels (which is selected and highlighted in red), Peers, Settings, and Status. The main area is titled "WireGuard Tunnels". It contains two tables. The first table, "Tunnels", has columns: Name, Description, Public Key, Address / Assignment, Listen Port, Peers, and Actions. It lists one entry: "tun_wg0" with "VPN WIREGUARD" as the description, a long public key, and "WG (opt5)" as the assignment. The second table, "Peers", has columns: Peers, Description, Public Key, Tunnel, Allowed IPs, and Endpoint. It lists one peer: "WG PC labo" with a description, a long public key, "tun_wg0" as the tunnel, "10.9.0.0/32 (+1)" as the allowed IP range, and "Dynamic" as the endpoint. At the bottom right of the main area is a green button with a plus sign and the text "Add Tunnel".

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



L'interface donne ça une fois configuré, pour cela faites 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"/>	<input checked="" 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 checked="" 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 checked="" 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.