

# PUQVPNCP installation and configuration

WireGuard Business-VPN module **WISECP**

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## 1. Install the required packages

```
apt-get update
apt-get install wireguard wireguard-dkms wireguard-tools -y
apt-get install iproute2 iptables -y
apt-get install bind9 -y
```

## 2. Download the latest version of the package

<https://download.puqcloud.com/cp/puqvpncp/>

## 3. Install the puqvpncp package

```
wget https://download.puqcloud.com/cp/puqvpncp/puqvpncp_XXXX_amd64.deb
dpkg -i puqvpncp_XXXX_amd64.deb
```

## 4. After installation, connect to your server via a web browser.

http://SERVER\_IP:8098

Username: admin

Password: admin

The screenshot shows the PUQVPNCNCP web interface. At the top, there is a navigation bar with the logo 'PUQVPNCNCP', a 'HELP' button, the user 'ruslan (79.184.10.59)', and a 'Logout' button. The main content area is divided into several sections:

- Dashboard:** Contains links for 'VPN servers', 'Requirements', 'VPN accounts', 'Settings', and 'About us'.
- Server Information:** A table with the following data:

Hostname:	dev.softkeel.com
OS Name:	Debian GNU/Linux 11 (bullseye)
Architecture:	amd64
CPU:	Common KVM processor
CPU Threads:	4
Load:	0.82, 0.03, 0.14
Memory:	7856 MB Used: 70%
Timezone:	Europe/Warsaw
- PUQVPNCNCP:** A table with the following data:

Status:	OK
Version:	1.0
WireGuards:	109
VPN Accounts:	548/550
License:	2023-11-13T18:38:43+01:00

Buttons for 'License' and 'Reload' are visible below.
- WireGuard:** A table with the following data:

wireguard:	1.0.20210223-1
wireguard-dkms:	1.0.20210219-1

Button for 'Configure' is visible below.
- Firewall:** A table with the following data:

iptables:	1.8.7-1
iproute2:	5.10.0-4

Button for 'Configure' is visible below.
- DNS server:** A table with the following data:

bind9:	1:9.16.33-1~deb11u1
Running:	PID: 3092940

Button for 'Configure' is visible below.

In order for the system to start the procedure for obtaining an SSL certificate from Let's Encrypt, it is necessary.

In the configuration file, enable the use of SSL and enter the domain name.

```
nano /etc/puqvpncp/puqvpncp.conf
```

```
LetsEncryptSSL=yes
Domain=XXXXXX.XXX
```

Restart the **PUQVPNCNCP** service

```
service puqvpncp restart
```

After these steps, the first time you connect to the server via the https protocol, the system will request an SSL certificate and automatically renew it if necessary.

ATTENTION. After activating SSL, the system will only work in the https protocol on port 443. A redirect is also set from port 80 to port 443.

To connect to the server via the https protocol, use only the domain that was set in the configuration file.

Otherwise, you will get an error that SSL is not working correctly.

## 6. License configuration is available in the menu item **Settings->License**

The screenshot shows the WHMCS interface with the following elements:

- License Configuration:** A form titled "License" with a "Save" button highlighted in green. A message above the form states: "By default, the system limit is 50 users and the API is disabled. In order to activate the license key, the key must be entered in the 'License Key' field and click on the 'Save' button".
- API Access Hashes:** A section titled "API Access Hashes" with a "Successfully" notification. It includes a form to add a new hash with fields for "Name" and "IP" (0.0.0.0) and an "Add" button. A message says: "Everything went well. Please save the hash. It has only been shown once." Below this is a table of existing hashes.
- Navigation:** A sidebar on the left contains menu items: Dashboard, VPN servers, VPN accounts, Settings (with sub-items: Firewall, DNS, One-time link, System users, API, License), and About us. The "License" and "API" items are highlighted.
- Buttons:** "Delete" buttons are highlighted in red for each row in the API Access Hashes table. A "Check now" button is also highlighted in green.

Name	IP	Created data	Last Login	
test2	1.1.1.1	2022-11-18T10:38:37+01:00		Delete
TEST	79.184.10.59	2022-11-15T15:23:05+01:00	2022-11-17T09:36:57+01:00	Delete
piotr2	79.184.10.59	2022-11-17T14:26:40+01:00	2022-11-17T14:42:08+01:00	Delete
Piotr	79.184.10.59	2022-11-16T14:23:48+01:00		Delete

Enter the name and IP address of the WHMCS server and click the **ADD** button

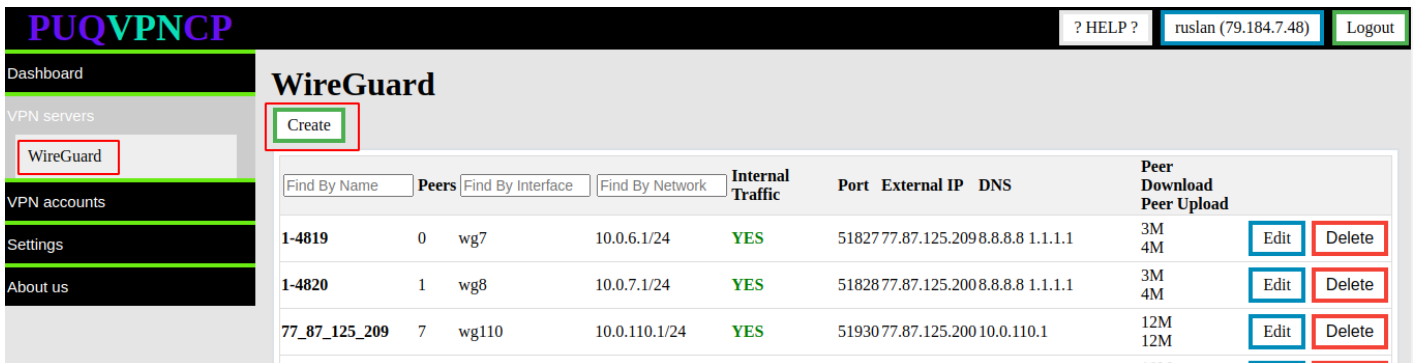
### **Attention.**

**The generated Access hash will only be shown once. Copy it, it will be needed during configuration of the product server in the WHMCS system.**

Accept the fact that once the Access Hashes API is created, it will only be shown once. Each API Access Hash only works from a specific IP address.

## 8. Creation of access API

Add new WireGuard is available in the menu item **VPN servers->WireGuard->Click Create**



Dashboard

VPN servers

WireGuard

VPN accounts

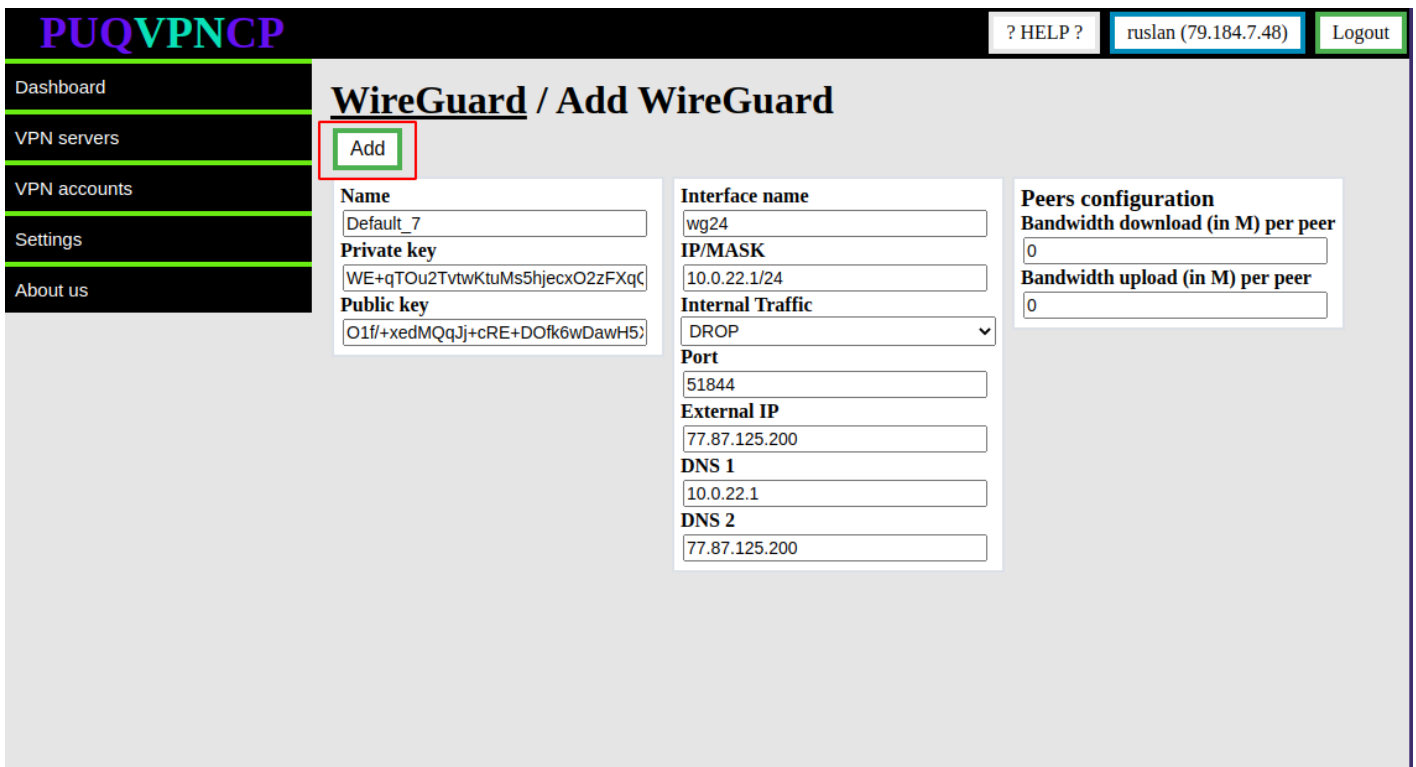
Settings

About us

### WireGuard

Create

Find By Name	Peers	Find By Interface	Find By Network	Internal Traffic	Port	External IP	DNS	Peer Download	Peer Upload		
1-4819	0	wg7	10.0.6.1/24	YES	51827	77.87.125.209	8.8.8.8 1.1.1.1	3M	4M	Edit	Delete
1-4820	1	wg8	10.0.7.1/24	YES	51828	77.87.125.200	8.8.8.8 1.1.1.1	3M	4M	Edit	Delete
77_87_125_209	7	wg110	10.0.110.1/24	YES	51930	77.87.125.200	10.0.110.1	12M	12M	Edit	Delete



Dashboard

VPN servers

VPN accounts

Settings

About us

### WireGuard / Add WireGuard

Add

Name  
Default\_7

Private key  
WE+qTOu2TvtwKtuMs5hjecxO2zFXqC

Public key  
O1f/+xedMQqJj+cRE+DOfk6wDawH5}

Interface name  
wg24

IP/MASK  
10.0.22.1/24

Internal Traffic  
DROP

Port  
51844

External IP  
77.87.125.200

DNS 1  
10.0.22.1

DNS 2  
77.87.125.200

Peers configuration

Bandwidth download (in M) per peer  
0

Bandwidth upload (in M) per peer  
0

Enter or edit the parameters of the new server/interface and click the **ADD** button

Revision #1

Created 25 November 2023 14:45:38 by Ruslan

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