

PUQVPNCP installation and configuration

WireGuard Business-VPN module **WISECP**

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Official documentation:

[PUQVPNCP Documentation](#)

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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 PUQVPNCP web interface. The top navigation bar includes a 'HELP' button, the user 'ruslan (79.184.10.59)', and a 'Logout' button. The left sidebar contains links for 'Dashboard', 'VPN servers', 'Requirements', 'VPN accounts', 'Settings', and 'About us'. The main content area is divided into three panels: 'Server Information', 'PUQVPNCP', and a bottom row of 'WireGuard', 'Firewall', and 'DNS server' panels. The 'Server Information' panel displays details like 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), and Timezone (Europe/Warsaw). The 'PUQVPNCP' panel shows Status (OK), Version (1.0), WireGuards (109), VPN Accounts (548/550), and License (2023-11-13T18:38:43+01:00). The bottom row of panels includes 'WireGuard' (version 1.0.20210223-1), 'Firewall' (iptables 1.8.7-1, iproute2 5.10.0-4), and 'DNS server' (bind9 1:9.16.33-1~deb11u1). Each of these bottom panels has a 'Configure' button.

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 **PUQVPNCP** 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**

By default, the system limit is 50 users and the API is disabled.

Dashboard VPN servers VPN accounts Settings Firewall DNS One-time link System users API License About us

License

Save

Creation of access API

API Access Hashs, go to the section Settings->API

Delete Check now

API Access Hashs Successfully

Name IP Add

Everything went well. Please save the hash. It has only been shown once.

Access hash Copy hash

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 Hashs 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**

PUQVPNCP

? HELP ?

ruslan (79.184.7.48)

Logout

Dashboard

VPN servers

WireGuard

VPN accounts

Settings

About us

WireGuard

Create

Find By NamePeersFind By InterfaceFind By NetworkInternal TrafficPortExternal IPDNSPeer DownloadPeer Upload

1-48190wg710.0.6.1/24YES5182777.87.125.2098.8.8.81.1.1.13M4MEditDelete

1-48201wg810.0.7.1/24YES5182877.87.125.2008.8.8.81.1.1.13M4MEditDelete

77_87_125_2097wg11010.0.110.1/24YES5193077.87.125.20010.0.110.112M12MEditDelete

PUQVPNCP

? HELP ?

ruslan (79.184.7.48)

Logout

Dashboard

VPN servers

VPN accounts

Settings

About us

WireGuard / Add WireGuard

Add

NameDefault_7Private keyWE+qTOu2TvtwKtuMs5hjecxO2zFXqCPublic keyO1f/+xedMQqJj+cRE+DOfk6wDawH5J

Interface namewg24IP/MASK10.0.22.1/24Internal TrafficDROPPort51844External IP77.87.125.200DNS 110.0.22.1DNS 277.87.125.200

Peers configurationBandwidth download (in M) per peer0Bandwidth upload (in M) per peer0

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