

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 PUQVPNCNP web interface. The top navigation bar includes a logo, a 'HELP' button, a user profile 'ruslan (79.184.10.59)', and a 'Logout' button. The left sidebar contains links to 'Dashboard', 'VPN servers', 'Requirements', 'VPN accounts', 'Settings', and 'About us'. The main content area is divided into three panels: 'Server Information', 'PUQVPNCNP', and a bottom row of 'WireGuard', 'Firewall', and 'DNS server' panels. The 'Server Information' panel displays system details like hostname, OS, architecture, CPU, and memory. The 'PUQVPNCNP' panel shows status, version, wireguards, VPN accounts, and license information. The bottom row of panels provides quick links to configure WireGuard, Firewall, and DNS server settings.

Server Information	
Hostname:	dev.softkeel.com
OS Name:	Debian GNU/Linux 11 (bullseye)
Architecture:	amd64
CPU:	Common KVM processor
CPU Threads:	4 Load: 0.02, 0.03, 0.14
Memory:	7856 MB Used: 70%
Timezone:	Europe/Warsaw

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

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

Firewall	
iptables:	1.8.7-1
iproute2:	5.10.0-4

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

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 **PUQVPNCNP** 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 License

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

Delete Check now

Successfully

API Access Hashs

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 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

PUQVPNCP

? HELP ?

ruslan (79.184.7.48)

Logout

Dashboard

VPN servers

VPN accounts

Settings

About us

WireGuard / Add WireGuard

Add

Name

Default_7

Private key

WE+qTOu2TvtwKtuMs5hjecxO2zFXqC

Public key

O1f/+xedMQqJj+cRE+DOfk6wDawH5J

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