

PUQVPNCP installation and configuration

WireGuard VPN module **WHMCS**

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Official 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_1.1-2_amd64.deb
dpkg -i puqvpncp_1.1-2_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. At the top, there is a navigation bar with a logo, a help button, a user profile (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:** Displays system details such as 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 (7956 MB Used: 78%), and Timezone (Europe/Warsaw).
- PUQVPNCP Status:** Shows Status (OK), Version (1.0), WireGuards (109), VPN Accounts (548/550), and License (2023-11-13T18:38:43+01:00). There are buttons for License and Reload.
- WireGuard:** Shows version 1.0.20210223-1 and dkms 1.0.20210219-1. A Configure button is present.
- Firewall:** Shows iptables 1.8.7-1 and iproute2 5.10.0-4. A Configure button is present.
- DNS server:** Shows bind9 1:9.16.33-1~deb11u1 and Running: PID: 3092940. A Configure button is present.

Below these sections, there is a terminal window showing the command `nano /etc/puqvpnncp/puqvpnncp.conf`. The configuration file content is:

```
LetsEncrypSSL=yes
Domain=XXXXXX.XXX
```

Below the terminal, there is a text box with the instruction: "Restart the PUQVPNCP service".

At the bottom, there is a terminal window showing the command `service puqvpnncp restart`.

The active domain name that resolves the server's IP address. Port 80 and 443 are always open, and not busy with another process.

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.

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 limits 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

License

? HELP ? ruslan (79.184.10.59) Logout

Dashboard

VPN servers

Creation of access API

License

VPN servers API Access Hashes, go to the section Settings->API

Delete Check now

API Access Hashes

Successfully

Name IP 0.0.0.0 Add

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

Access hash d9803fa77664ec67f58a4beda34520b6a1f9054ee3f3529ce5cdc65a93d 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 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**

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

Private key

Public key

Interface name

IP/MASK

Internal Traffic

Port

External IP

DNS 1

DNS 2

Peers configuration

Bandwidth download (in M) per peer

Bandwidth upload (in M) per peer

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

Revision #5

Created 25 November 2022 02:13:16 by Ruslan

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