

PUQVPNCP installation and configuration

WireGuard 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 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:** A table displaying system details:

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%
Timezone:	Europe/Warsaw
- PUQVPNCP Status:** A table showing the service status:

Status:	OK
Version:	1.0
WireGuards:	109
VPN Accounts:	548/550
License:	2023-11-13T18:38:43+01:00
- WireGuard:** A table showing the WireGuard version and configuration options:

wireguard:	1.0.20210223-1
wireguard-dkms:	1.0.20210219-1
- Firewall:** A table showing the iptables and iproute2 versions:

iptables:	1.8.7-1
iproute2:	5.10.0-4
- DNS server:** A table showing the bind9 version and status:

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

```
nano /etc/puqvpnncp/puqvpnncp.conf
```

```
LetsEncrypSSL=yes
```

```
Domain=XXXXXX.XXX
```

Restart the **PUQVPNCP** service

```
service puqvpnncp 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 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.

Creation of access API License

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

Successfully

Name IP

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

Access hash

Name	IP	Created data	Last Login	
test2	1.1.1.1	2022-11-18T10:38:37+01:00		<input type="button" value="Delete"/>
TEST	79.184.10.59	2022-11-15T15:23:05+01:00	2022-11-17T09:36:57+01:00	<input type="button" value="Delete"/>
piotr2	79.184.10.59	2022-11-17T14:26:40+01:00	2022-11-17T14:42:08+01:00	<input type="button" value="Delete"/>
Piotr	79.184.10.59	2022-11-16T14:23:48+01:00		<input type="button" value="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
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
77_87_125_209	7	wg110	10.0.110.1/24	YES	51930	77.87.125.200	10.0.110.1	12M	12M

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 #3

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