

# PUQVPNCP installation and configuration

WireGuard Business-VPN module **WHMCS**

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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_1.6.1_amd64.deb
dpkg -i puqvpncp_1.6.1_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

Buttons for 'License' and 'Reload' are present.
- WireGuard:** A table showing the version and configuration options:

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

Buttons for 'Configure' are present.
- Firewall:** A table showing the version and configuration options:

iptables:	1.8.7-1
iproute2:	5.10.0-4

Buttons for 'Configure' are present.
- DNS server:** A table showing the version and configuration options:

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

Buttons for 'Configure' are present.

```
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**

The screenshot shows the WHMCS interface with the 'License' configuration page. The top navigation bar includes 'Dashboard', 'VPN servers', and 'VPN accounts'. The 'License' page has a 'Save' button. Below it, the 'API Access Hashes' page is shown, featuring a 'Successfully' notification, a form to add a new hash, and a table of existing hashes. The table has columns for Name, IP, Created data, and Last Login, with a 'Delete' button for each row.

**License**

**API Access Hashes**

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.

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