

# Installation and configuration guide

- [WHMCS setup\(install/update\)](#)
- [PUQVPNCP installation and configuration](#)
- [Add server \(PUQVPNCP\) in WHMCS](#)
- [Product Configuration](#)

# WHMCS

## setup(install/update)

### WireGuard Business-VPN module **WHMCS**

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**Module is coded ionCube v13**

Supported php version:

- php 7.4 WHMCS 8.11.0 -
- php 8.1 WHMCS 8.11.0 +
- php 8.2 WHMCS 8.11.0 +

To install and update a module, you must perform one and the same action.

#### 1. Download the latest version of the module.

PHP 8.2

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php82/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php81/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php74/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

All versions are available: [https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-WireGuard-Business-VPN/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/)

## 2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

## 3. Copy and Replace "puqWireGuardBusinessVPN" to "WHMCS\_WEB\_DIR/modules/servers/"

# PUQVPNCP installation and configuration

WireGuard Business-VPN module **WHMCS**

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Official documentation:

[PUQVPNCP Documentation](#)

[PUQVPNCP Download](#)

[PUQVPNCP Order now](#)

## 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

PUQVPNCP

Dashboard

VPN servers

Requirements

VPN accounts

Settings

About us

? HELP ?

ruslan (79.184.10.59)

Logout

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, 0.09, 0.14

Memory: 7956 MB

Used: 70%

Timezone: Europe/Warsaw

PUQVPNCP

Status: OK

Version: 1.0

WireGuards: 109

VPN Accounts: 548/550

License: 2023-11-13T18:38:43+01:00

License

Reload

WireGuard

wireguard: 1.0.20210223-1

wireguard-dkms: 1.0.20210219-1

wireguard-tools: 1.0.20210219-1

Configure

Firewall

iptables: 1.8.7-1

iproute2: 5.10.0-4

Configure

DNS server

bind9: 1:9.16.33-1~deb11u1

Running: PID: 3092940

Configure

In order for the system to start the procedure for obtaining an SSL certificate from Let's Encrypt, it is necessary.

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 the configuration file, enable the use of SSL and enter the domain name.

nano /etc/puqvpnncp/puqvpnncp.conf

LetsEncryptSSL=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 limit is 50 users and the API is disabled.

PUQVPNCP

? HELP ?

ruslan (79.184.10.59)

Logout

Dashboard

VPN servers

License

Save

PUQVPNCP

? HELP ?

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Logout

Dashboard

VPN servers

API Access Hashs

Settings->API

Delete

Check now

PUQVPNCP

? HELP ?

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Logout

Dashboard

VPN servers

VPN accounts

Settings

Firewall

DNS

One-time link

System users

API

License

About us

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		<div>Delete</div>
TEST	79.184.10.59	2022-11-15T15:23:05+01:00	2022-11-17T09:36:57+01:00	<div>Delete</div>
piotr2	79.184.10.59	2022-11-17T14:26:40+01:00	2022-11-17T14:42:08+01:00	<div>Delete</div>
Piotr	79.184.10.59	2022-11-16T14:23:48+01:00		<div>Delete</div>

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.



# Add server (PUQVPNCP) in WHMCS

## WireGuard Business-VPN module **WHMCS**

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Add a new server to the system WHMCS.

Login to Your WHMCS panel and create new server in WHMCS (*System Settings->Products/Services->Servers*)

System Settings->Servers->Add New Server

[Products/Services](#)

• Enter the correct **Name** and **Hostname**

[Configure DNS](#)

[Product Addons](#)

[Product Bundles](#)

**Name is just for Your convenience and You can put there anything You like ie:**

**Mygreat PUQVPNCP routr**

[Domain Pricing](#)

[Domain Registrars](#)

**You can choose whatever hostname You want. Valid entries look similar to: vpn.mydomain.com, ourgreatvpn.mydomain.net. You can also dedicate whole domain ie: myVPNservices.com if You like. The important thing is to resolve the chosen IP address of the PUQVPNCP in DNS server for Your domain.**

- In the "**Assigned IP Addresses field**", enter a list of IP addresses that will be issued to users.



# Servers

## Edit Server

Name	<input type="text" value="test-puqvpncp.uuq.pl"/>
Hostname	<input type="text" value="test-puqvpncp.uuq.pl"/>
IP Address	<input type="text"/>
Assigned IP Addresses (One per line)	<div><div>77.87.125.200</div><div>77.87.125.201</div><div>77.87.125.202</div><div>77.87.125.203</div><div>77.87.125.204</div><div>77.87.125.205</div><div>77.87.125.206</div><div>77.87.125.207</div><div>77.87.125.208</div><div>77.87.125.209</div><div>77.87.125.210</div></div>
Monthly Cost	<input type="text" value="0.00"/>
Datacenter/NOC	<input type="text"/>
Maximum No. of Accounts	<input type="text" value="200"/>
Server Status Address	<div><input type="text"/><p>To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. <a href="https://www.example.com/status/">https://www.example.com/status/</a></p></div>
Enable/Disable	<input type="checkbox"/> Check to disable this server

## Enter the correct data in the Access Hash field

- In the **Server Details** section, select the **"PUQ WireGuard Business-VPN"** module and enter the correct API Access Hash.
- To check, click the **"Test connection"** button

Server Details

Module	<div>PUQ WireGuard Business-VPN ▾<div>Test Connection</div></div> <div>✓ Connection successful. Some values have been auto-filled.</div>
Username	<input type="text"/>
Password	<input type="password"/>
Access Hash	<div>77f3f27245dfe2e27791295846bee745b8217741e8f0363b6c027d06a236b dbeec04651fcadccfd2</div>
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections
Port	<div><input type="text" value="443"/> <input type="checkbox"/> Override with Custom Port</div>

# Product Configuration

## WireGuard Business-VPN module WHMCS

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### Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the "**PUQ WireGuard Business-VPN**" module

License key	5MZIQA- <span style="background-color: red; color: black;">XXXXXXXXXX</span> UDXAWN success: 2023-12-21T10:36:12+01:00
WireGuard configuration	<div>WireGuard server configuration</div> <div>Public IP for all services: <input checked="" type="checkbox"/></div> <div>Public IP: <input type="text" value="77.87.125.200"/> Use this IP address</div> <div>Allow internal traffic: <input checked="" type="checkbox"/></div> <div>DNS 1: <input type="text" value="8.8.8.8"/></div> <div>DNS 2: <input type="text" value="1.1.1.1"/></div> <div>Persistent Keepalive: <input type="text" value="25"/></div> <div>Enable IKEv2: <input checked="" type="checkbox"/> To enable the IKEv2 protocol</div>
VPN users settings	<div>VPN users settings</div> <div>Number of VPN users: <input type="text" value="5"/></div> <div>Bandwidth Download: <input type="text" value="3"/> M</div> <div>Bandwidth Upload: <input type="text" value="4"/> M</div> <div>Link to instruction: <input type="text" value="https://doc.puq.info/books/puqvpnc"/> A link to the instruction will be reflected in the client area.</div> <div>Link to VPN clients: <input type="text" value="https://www.wireguard.com/install"/> A link to the VPN clients will be reflected in the client area.</div>

- **License key:** A pre-purchased license key for the "**PUQ WireGuard Business-VPN**" module. For the module to work correctly, the key must be active

### WireGuard configuration

- **Public IP for all services** - If you want to assign one public IP address to all services (IP must be configured on the **PUQVPNC** server)
- **Public IP** - If you want to assign one public IP address to all services (IP must be configured on the **PUQVPNC** server)
- **Allow internal traffic**- If you want to enable traffic exchange between VPN clients    
(package change)
- **DNS1, DNS2** - DNS servers if they differ from the configuration in the **PUQVPNC** panel    
(package change)

### VPN users settings

- **Number of VPN users** - Number of vpn accounts per service **(package change)**
- **Bandwidth Download** - Bandwidth Download of VPN accounts **(package change)**
- **Bandwidth Upload**- BandwidthUpload of VPN accounts **(package change)**
- **Link to instruction**- If you have prepared instructions for your customers on how to use the service, then a link to the instructions is provided here (If filled, it will be shown in the client area)
- **Link to VPN clients**- Link to download the VPN client. For example  
<https://www.wireguard.com/install/> (If filled, it will be shown in the client area)
- **Persistent Keepalive**- sets the Keepalive parameter in the WireGuard server client configuration **(package change)**
- **Enable IKEv2**- Enable IKEv2 protocol support **(package change)**