

Installation and configuration guide

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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/

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

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 with the following data:

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 with the following data:

Status:	OK
Version:	1.0
WireGuards:	109
VPN Accounts:	548/550
License:	2023-11-13T18:38:43+01:00
- WireGuard:** A table with the following data:

wireguard:	1.0.20210223-1
wireguard-dkms:	1.0.20210219-1
- Firewall:** A table with the following data:

iptables:	1.8.7-1
iproute2:	5.10.0-4
- DNS server:** A table with the following data:

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

```
nano /etc/puqvpnnp/puqvpnnp.conf

LetsEncrypSSL=yes
Domain=XXXXXX.XXX
```

```
Restart the PUQVPNCP service

service puqvpnnp 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

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

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.

Add server (PUQVPNCP) in 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](#)

[Configure the correct](#) **Name** and **Hostname**

[Product Addons](#)

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

Mygreat-PUQVPNCP routr

[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)	<pre>77.87.125.200 77.87.125.201 77.87.125.202 77.87.125.203 77.87.125.204 77.87.125.205 77.87.125.206 77.87.125.207 77.87.125.208 77.87.125.209 77.87.125.210</pre>
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	<input type="text"/> 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. https://www.example.com/status/
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	PUQ WireGuard Business-VPN ▼ Test Connection
	✓ Connection successful. Some values have been auto-filled.
Username	<input type="text"/>
Password	<input type="password"/>
Access Hash	<pre>77f3f27245dfe2e27791295846bee745b8217741e8f0363b6c027d06a236b dbeec04651fcadccfd2</pre>
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections
Port	<input type="text" value="443"/> <input type="checkbox"/> Override with Custom Port

Product Configuration

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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- [REDACTED] JDXAWN success: 2023-12-21T10:36:12+01:00
WireGuard configuration	WireGuard server configuration Public IP for all services: <input checked="" type="checkbox"/> Public IP: <input type="text" value="77.87.125.200"/> Use this IP address Allow internal traffic: <input checked="" type="checkbox"/> DNS 1: <input type="text" value="8.8.8.8"/> DNS 2: <input type="text" value="1.1.1.1"/> Persistent Keepalive: <input type="text" value="25"/> Enable IKEv2: <input checked="" type="checkbox"/> To enable the IKEv2 protocol
VPN users settings	VPN users settings Number of VPN users: <input type="text" value="5"/> Bandwidth Download: <input type="text" value="3"/> M Bandwidth Upload: <input type="text" value="4"/> M 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. 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.

- **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 **PUQVPNCP** server)
- **Public IP** - If you want to assign one public IP address to all services (IP must be configured on the **PUQVPNCP** 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 **PUQVPNCP** 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)**