

# Installation and configuration guide

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- [PUQVPNCP installation and configuration](#)
- [Add server \(PUQVPNCP\) in WISECP](#)
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# Setup (install/update)

## WireGuard VPN module **WISECP**

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

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

```
wget http://download.puqcloud.com/WISECP/Product/PUQ_WISECP-WireGuard-VPN/PUQ_WISECP-WireGuard-VPN-latest.zip
```

All versions are available: [https://download.puqcloud.com/WISECP/Product/PUQ\\_WISECP-WireGuard-VPN/](https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-WireGuard-VPN/)

### 2. Unzip the archive with the module.

```
unzip PUQ_WISECP-WireGuard-VPN-latest.zip
```

### 3. Copy and Replace "puqWireGuardVPN" from "PUQ\_WISECP-WireGuard-VPN" to "WISECP\_WEB\_DIR/coremio/modules/Product/"

# License Activation

## WireGuard VPN module **WISECP**

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1. Log in to the administrative area of your **WISECP**.
2. Go to module configuration.

Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ WireGuard VPN



Other

- Initial Settings
- All Modules

Other

- Initial Settings
- All Modules

Search Within Modules

Write something... Q

- 
- 
- PUQ WireGuard VPN
- 

3. On the open page, enter the purchased license key for this product and click the '**Check and Save**' button to validate the key and save it.

Other

Dashboard / Modul

- Initial Settings
- All Modules

PUQ WireGuard VPN



License key

58T11Z-1J1ASA

2023-12-18T10:38:13+01:00

Check and Save

Version: 1.0.1

Web Site

Documentation

Changelog



# PUQVPNCP installation and configuration

WireGuard VPN module **WISECP**

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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_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's a navigation bar with a logo, a help link, a user session (ruslan (79.184.10.59)), and a logout button. The main content area is divided into several sections:

- Left Sidebar:** Contains links to Dashboard, VPN servers, VPN accounts, Settings, and About us.
- Server Information:** A table showing 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: 70%
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 WireGuard version and configuration:

wireguard:	1.0.20210223-1
wireguard-dkms:	1.0.20210219-1
- Firewall:** A table showing Firewall version and configuration:

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

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

Each of the WireGuard, Firewall, and DNS server sections has a 'Configure' button. The PUQVPNCP Status section has 'License' and 'Reload' buttons.

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.

```
nano /etc/puqvpncp/puqvpncp.conf
```

```
LetsEncryptSSL=yes
```

```
Domain=XXXXXX.XXX
```

Restart the **PUQVPNCP** service

```
service puqvpncp 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.

**Dashboard**

**VPN servers**

**License**

**Creation of access API**

API Access Hashs, go to the section Settings->API

**API Access Hashs**

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 Hashs 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

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

Dashboard

VPN servers

VPN accounts

Settings

About us

WireGuard / Add WireGuard

Add

Name

Default\_7

Private key

WE+qTOu2TvtwKtuMs5hjecxO2zFXqC

Public key

O1f/+xedMQqJj+cRE+DOfk6wDawH5J

Interface name

wg24

IP/MASK

10.0.22.1/24

Internal Traffic

DROP

Port

51844

External IP

77.87.125.200

DNS 1

10.0.22.1

DNS 2

77.87.125.200

Peers configuration

Bandwidth download (in M) per peer

0

Bandwidth upload (in M) per peer

0

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

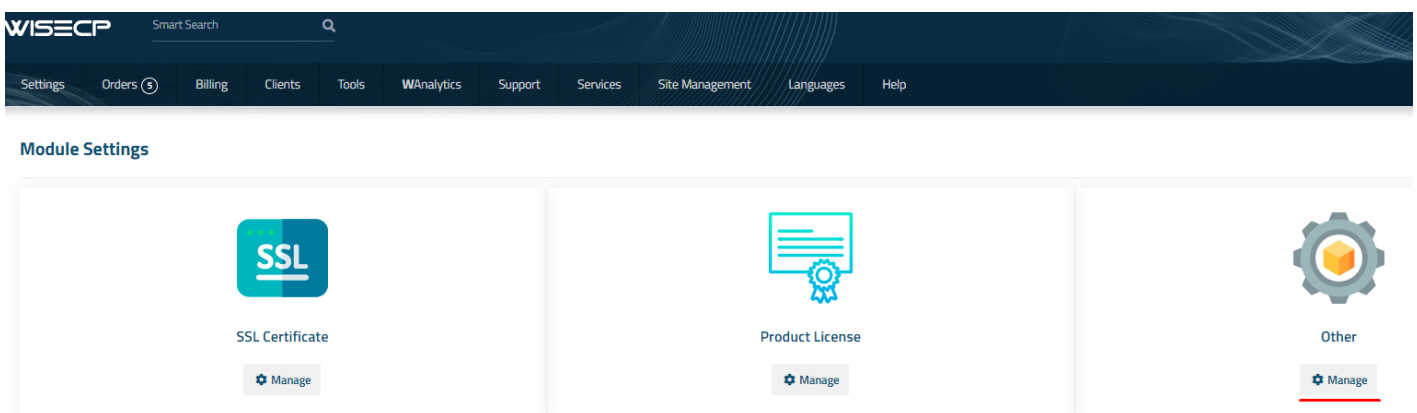
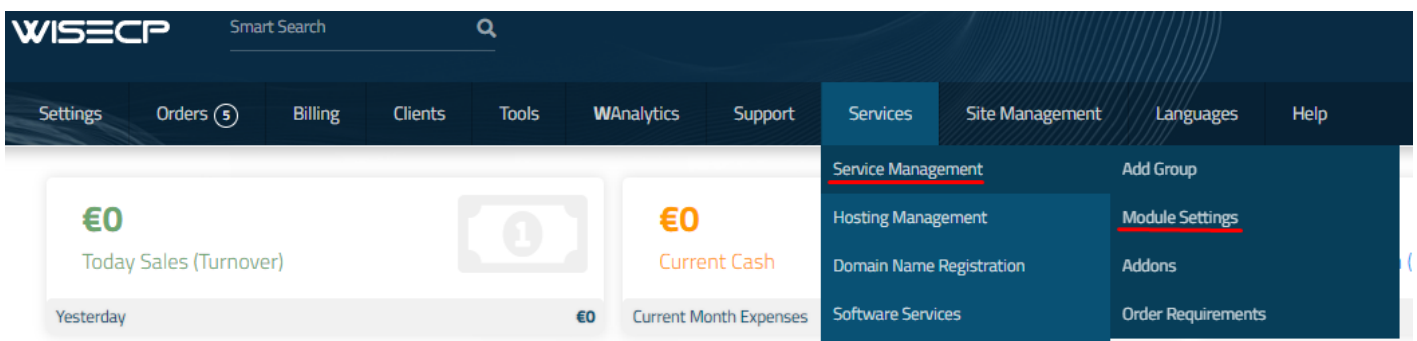
# Add server (PUQVPNCP) in WISECP

## WireGuard VPN module **WISECP**

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1. Log in to the administrative area of your **WISECP**.
2. Go to module configuration.

Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ WireGuard VPN



Other

- Initial Settings
- All Modules

Other

- Initial Settings
- All Modules

Search Within Modules

Write something...

- 
- 
- PUQ WireGuard VPN
- 

3. In the opened page, click the 'Add Server' button.

WISECP

Smart Search

Settings
Orders
Billing
Clients
Tools
WAnalytics
Support
Services
Site Management
Languages
Help

Other

Dashboard / Module Settin

- Initial Settings
- All Modules

PUQ WireGuard VPN



License key

58T11Z- -1J1ASA

2023-12-18T10:38:13+01:00

Check and Save

Version: 1.0.1

Web Site

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- Add New Server
- Server Groups

Servers PUQVPNCP

10 Show Record

Search

#	Name	Status	Group	Default	IP/Domain	Usage Stats	
23	dev.softkeel.com - B	active	Default	✔	dev.softkeel.com	3/12	
24	dev.softkeel.com - A	active	Default	⊘	466	0/44	

Showing records from 2 to 1 - 2

Prev 1 Next

4. On the opened page, enter all the necessary information:

- Name:** Displayed name of the server.

- **Maximum Number of Accounts:** The number of services that can be on this server.
- **Server Group:** Optionally, choose the server group.
- **IP Address or Domain:** The address of the PUQVPNCP server you are connecting to.
- **Access Hash:** API key that you created in the previous step on the PUQVPNCP server.
- Check the **SSL** box if you want to use SSL-encrypted connection. If necessary, specify the port and perform a connection test.

Initial Settings

All Modules

PUQ WireGuard VPN

Go to Back

Add New Server

Name

dev.softkeel.com

Maximum Number of Accounts

100

Server Group

Default

Default

☐ Set as default server in group

IP Address or Domain

dev.softkeel.com

✓ Connection test Successful

Access Hash

f1d0f4f...

SSL

☒ Connect using SSL

Port

443

☐ Change standard port

Test Connection

Test Connection

Add New Server

Turn Back



# Service configuration

## WireGuard VPN module **WISECP**

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If you do not have a **Service Group** where you want to place the new service, you need to create a new **Service Group**

1. Log in to the administrative area of your **WISECP**.
2. Create New Service Group

Go to

Services -> Service Management -> Add Group

The screenshot displays the WISECP administrative interface. At the top, there is a dark blue header with the WISECP logo, a 'Smart Search' bar, and a navigation menu with items: Settings, Orders (5), Billing, Clients, Tools, WAnalytics, Support, Services (highlighted), Site Management, Languages, and Help. Below the header, the 'Services' dropdown menu is open, showing options: Service Management, Add Group (underlined in red), Hosting Management, Module Settings, Domain Name Registration, Addons, Software Services, and Order Requirements. On the left side of the dashboard, there are two widgets: 'Today Sales (Turnover)' showing €0 for Yesterday, and 'Current Cash' showing €0 for Current Month Expenses. A third widget shows 'Current Month Expenses' with a €0 icon.

Enter all the necessary data and click the '**Create Group**' button.

WISECP

Smart Search

Q

SettingsOrders (5)BillingClientsToolsWAnalyticsSupportServicesSite ManagementLanguagesHelp

Create New Service Group

Dashboard / Create New Service Group

Create a new service group, you can also create new categories and manage the existing one from here.

ENUKPL

Title

VPN

Short Detail

Short Group Description

Listing Template

☒ Box List ☐ Horizontal List

Status

Enable

Background Image

(optional)

Group Colour

#FFFFFF

Order Upgrades

☐ Allow clients to upgrade to higher package in the same service group

External HTML Code

Paste your HTML code to this field (Optional)

You can optionally add external HTML code and customize it. There should not be any incorrect or incomplete HTML codes, otherwise page structure will be empty

### 3. Adding a New Service

Go to

Services -> our service group where you need to add the new service.

WISECP

Smart Search

Q

SettingsOrders (5)BillingClientsToolsWAnalyticsSupportServicesSite ManagementLanguagesHelp

€0

Today Sales (Turnover)

Yesterday

€0

Current Cash

Current Month Expenses

0

Overdue Invoice

(Total €0)

0

Payment Date Up

(Total €0 / Last 7 Days)

0

Client Registr

Yesterday

5

Order in the P

(Total €65)

Service Management

Hosting Management

Domain Name Registration

Software Services

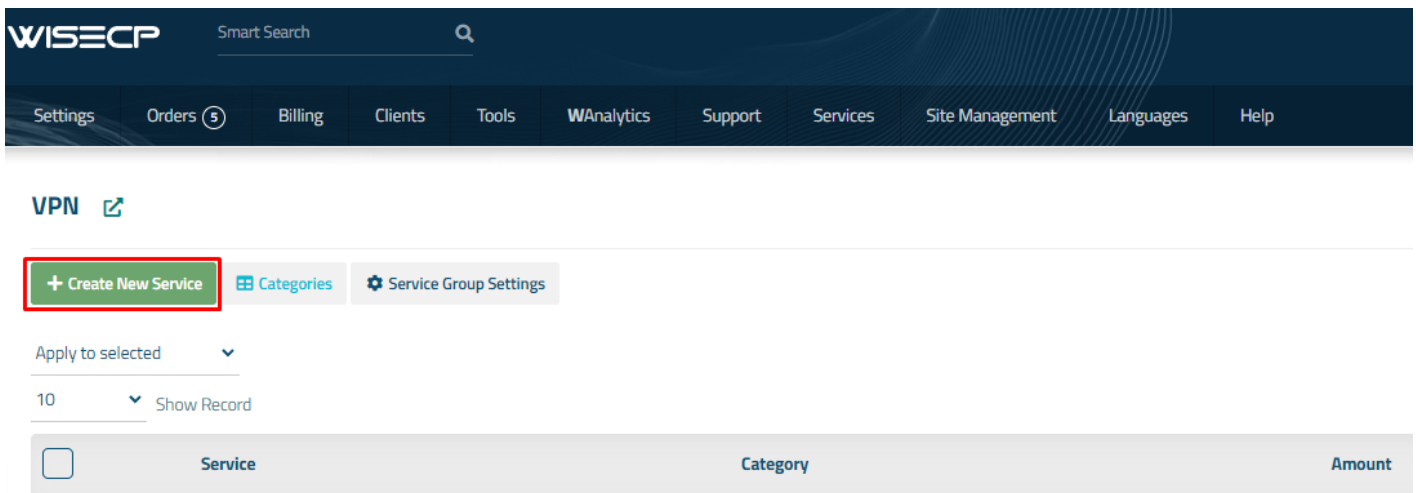
International SMS Services

Google SEO Services

VPN

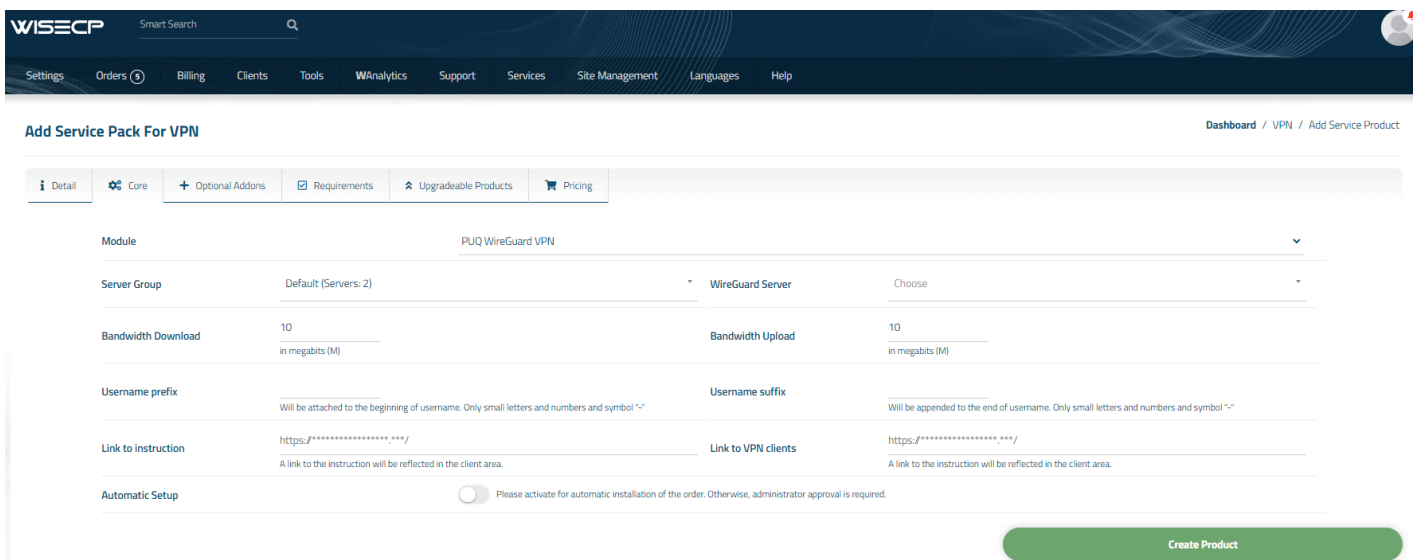
Media

In the opened window, click the '**Create New Service**' button.



On the opened page, enter all the necessary details for your new service and navigate to the '**Core**' tab.

Select the '**PUQ WireGuard VPN**' module from the drop-down list of modules.



#### 4. Fill in the configuration options according to your preferences.

- **Server Group** is the group of servers from which a server will be chosen for provisioning the service
- **WireGuard Server** is the name of the WireGuard server that was created in PUQVPNC

##### Attention:

The **WireGuard Server** field is updated only after saving or adding the service. You will need to revisit this section to select the **WireGuard Server** and save the service. Additionally, the **WireGuard Server** must be created on all servers within the group.

- **Bandwidth Download** and **Bandwidth Upload** represent the connection speed that will be restricted by these parameters, in megabits per second, respectively.
- **Username Prefix** will be added at the beginning of the username during user creation and is used for uniqueness



- **Username Suffix** will be added at the end of the username during user creation and is also used for uniqueness
- **Link to Instruction** Provide the link to the instruction for the service, and it will be displayed in the client area as a separate button
- **Link to VPN Clients** Provide the link to the page for downloading VPN clients for the service, and it will be displayed in the client area as a separate button
- **Automatic Setup** Please activate for automatic installation of the order. Otherwise, administrator approval is required.