

Installation and configuration guide

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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/

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...

-
-
- 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 -1JIASA 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 button, a user session indicator (ruslan (79.184.10.59)), and a logout button. The main content area is divided into several sections:

- Left Sidebar:** Contains links for Dashboard, VPN servers, 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: 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

Buttons for 'License' and 'Reload' are present.
- WireGuard, Firewall, and DNS server:** Three sections with their respective versions and configuration links:

WireGuard	Firewall	DNS server
wireguard: 1.0.20210223-1	iptables: 1.8.7-1	bind9: 1:9.16.33-1~deb11u1
wireguard-dkms: 1.0.20210219-1	iproute2: 5.10.0-4	Running: PID: 3092940

Each section has a 'Configure' button.

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.

The image is a collage of four screenshots from the PUQVPNCP web application. The top-left screenshot shows the 'License' page with a message about system limits and a license key input field. The top-right screenshot shows the 'API Access Hashes' page with a success message and a table of hashes. The bottom-left screenshot shows the 'Settings' menu with options like Firewall, DNS, and License. The bottom-right screenshot shows the 'API Access Hashes' page again, highlighting the 'Add' button and the 'Copy hash' button. The PUQVPNCP logo is visible in the top-left corner of each screenshot.

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.

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.

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

? HELP ?

ruslan (79.184.7.48)

Logout

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

? HELP ?

ruslan (79.184.7.48)

Logout

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

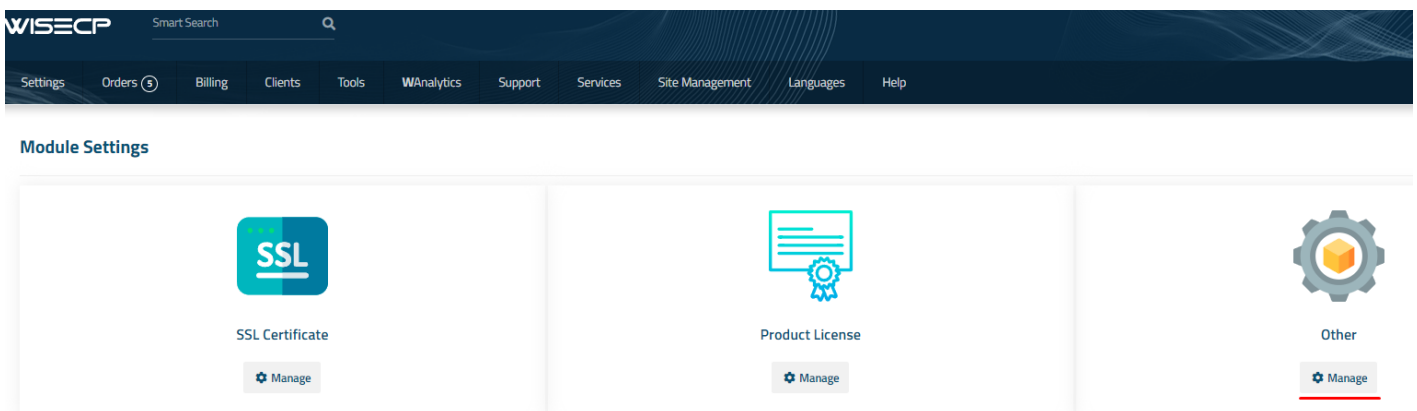
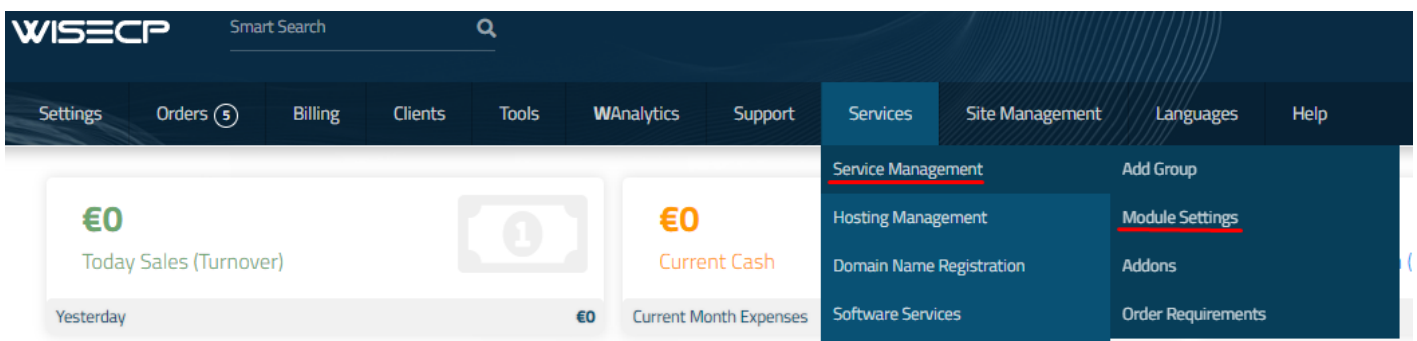
Add server (PUQVPNCP) in WISECP

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

Documentation

Changelog

- Add New Server
- Server Groups

Servers

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

PUQcloud

< Go to Back

Add New Server

Name	dev.softkeel.com
Maximum Number of Accounts	100
Server Group	Default
Default	<input type="checkbox"/> Set as default server in group
IP Address or Domain	dev.softkeel.com
Access Hash	f1d0f4f6
SSL	<input checked="" type="checkbox"/> Connect using SSL
Port	443 <input type="checkbox"/> Change standard port
Test Connection	<div>Test Connection</div>

Add New Server

<< Turn Back

Connection test Successful

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 (highlighted with a red underline), 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 'Current Month Expenses' widget is also partially visible.

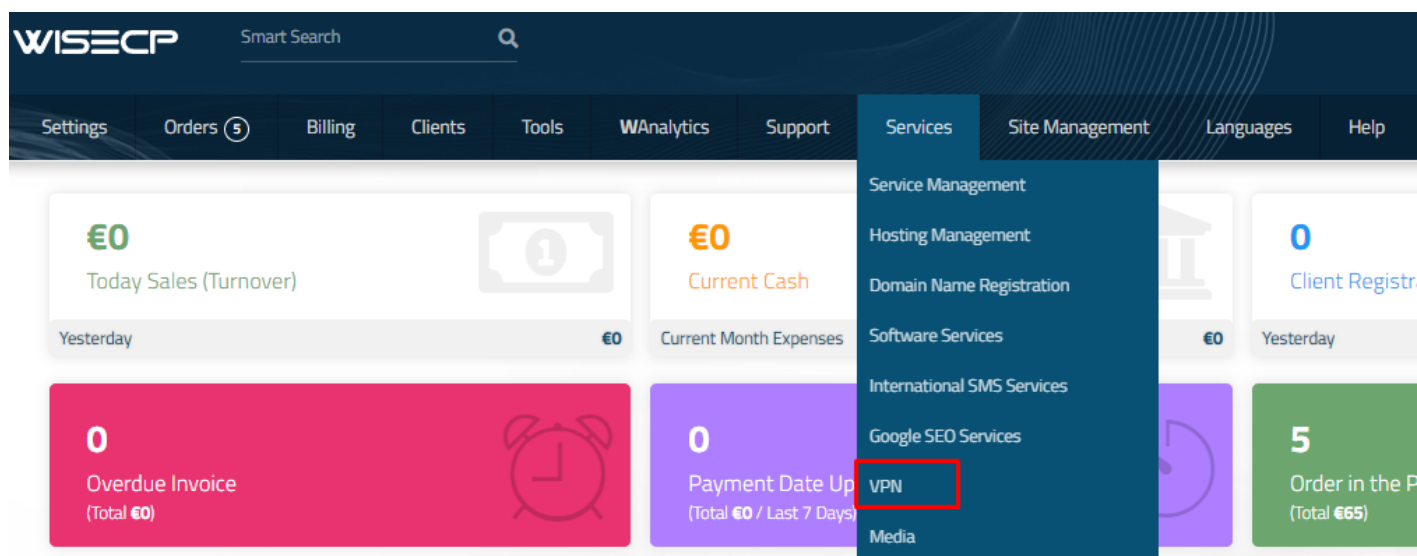
Enter all the necessary data and click the '**Create Group**' button.

The screenshot shows the 'Create New Service Group' form in the WISECP dashboard. The form is titled 'Create New Service Group' and includes a green banner at the top stating: 'Create a new service group, you can also create new categories and manage the existing one from here.' The form is divided into two columns. The left column contains labels for various fields: Title, Short Detail, Listing Template, Status, Background Image, Group Colour, Order Upgrades, and External HTML Code. The right column contains the corresponding input fields: a text field for 'Title' with the value 'VPN', a text field for 'Short Detail' with the value 'Short Group Description', a radio button selection for 'Listing Template' (Box List is selected), a dropdown menu for 'Status' with the value 'Enable', a background image upload area, a text field for 'Group Colour' with the value '#FFFFFF', a checkbox for 'Order Upgrades' (unchecked), and a text area for 'External HTML Code' with the placeholder text 'Paste your HTML code to this field (Optional)'. At the bottom of the form, there is a note: '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'.

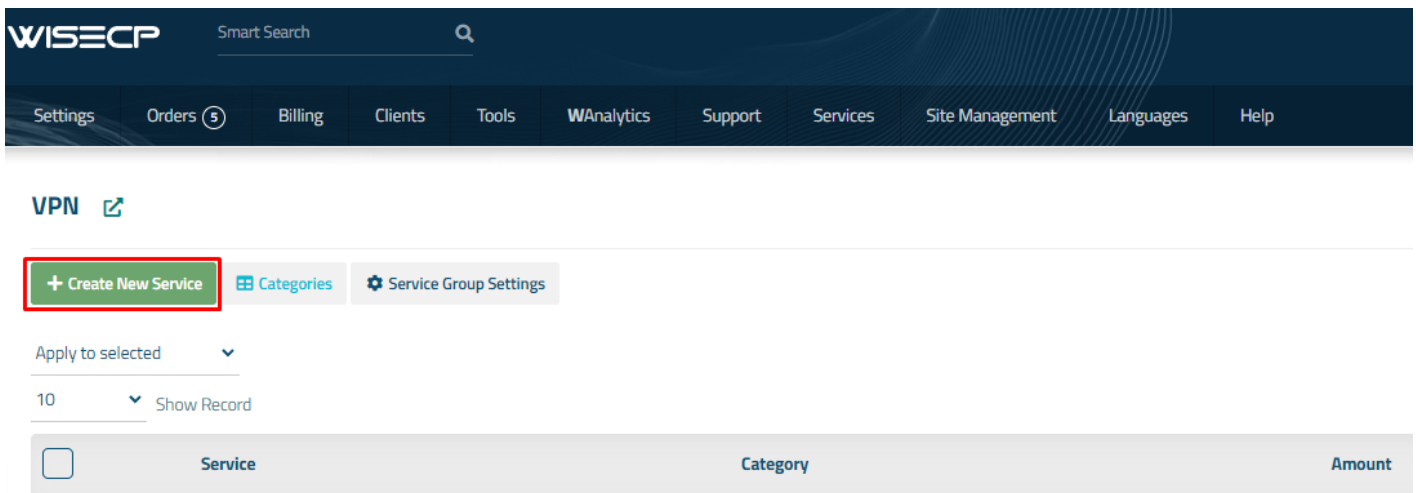
3. Adding a New Service

Go to

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

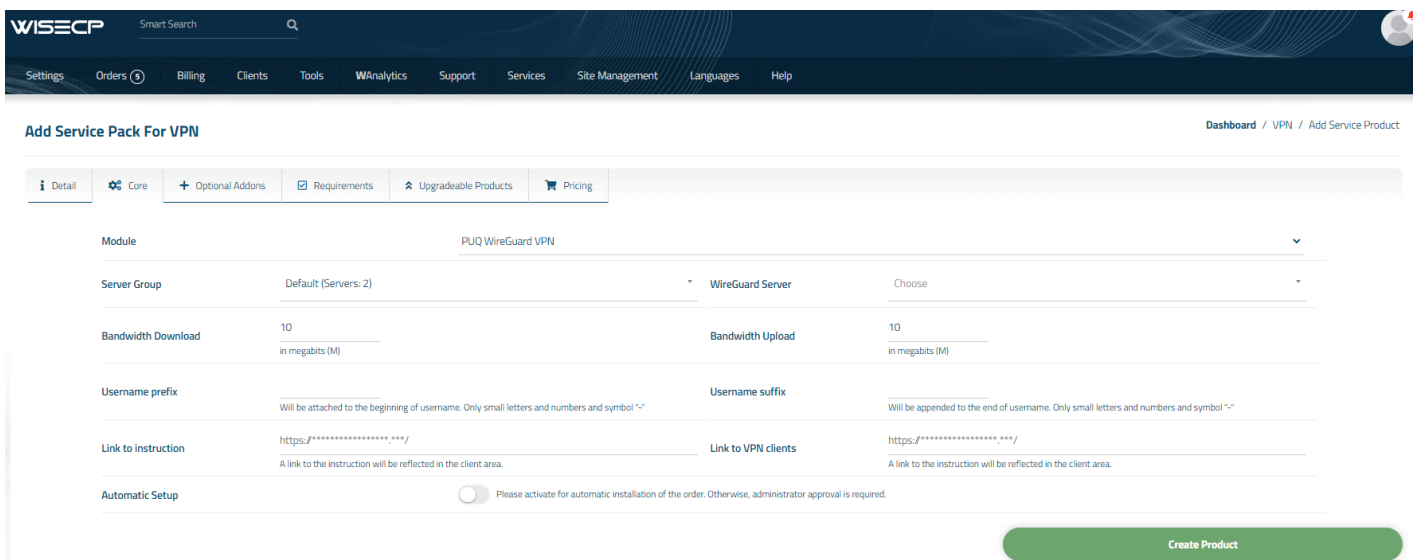


In the opened window, click the '**Create New Service**' button.



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.