

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

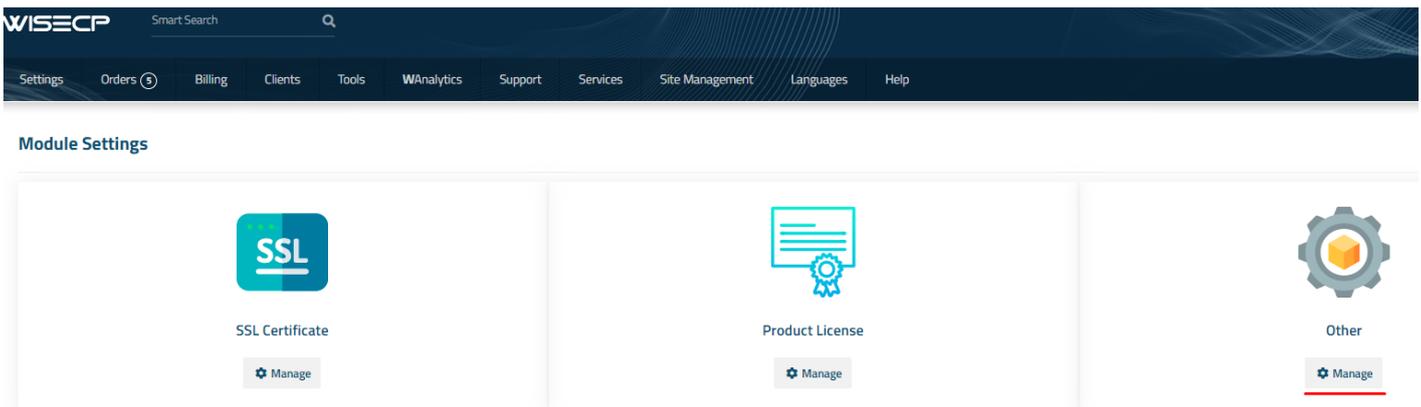
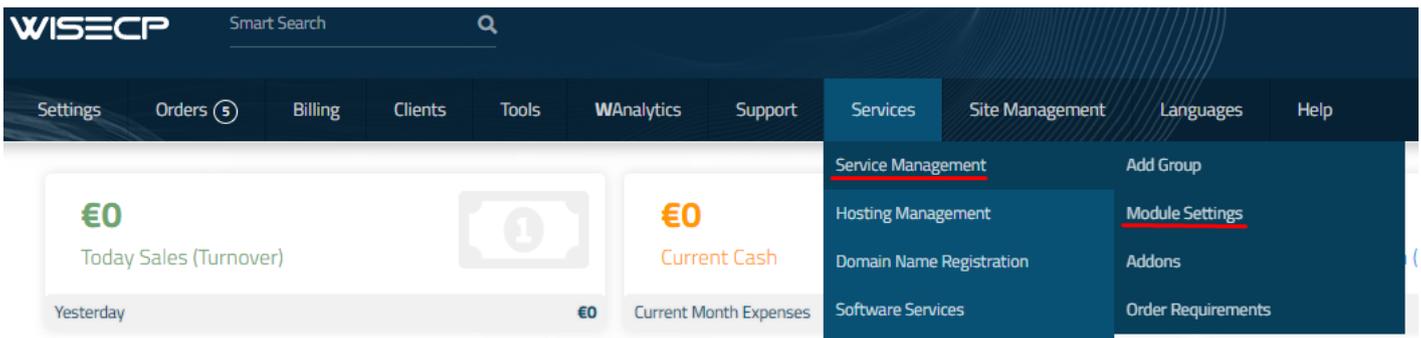
WireGuard VPN module **WISECP**

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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...

- [Blurred]
- [Blurred]
- PUQ WireGuard VPN
- [Blurred]

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

58T1Z [Blurred] -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 is a navigation bar with the logo 'PUQVPNCP', a help button '? HELP ?', a user profile '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', '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:	7856 MB Used: 70%
Timezone:	Europe/Warsaw
- PUQVPNCP Status:** A table showing the service's operational state:

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 visible below this table.
- WireGuard, Firewall, and DNS server:** Three columns of configuration options with 'Configure' buttons:

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

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**

The image shows two screenshots of the WHMCS interface. The top screenshot shows the 'License' configuration page with a 'Save' button highlighted in green. The bottom screenshot shows the 'API Access Hashes' page with a 'Successfully' message and a table of hashes. A 'Delete' button is highlighted in red for the 'test2' entry.

License Configuration Page:

By default, the system limit is 50 users and the API is disabled.

Dashboard | ? HELP ? | ruslan (79.184.10.59) | Logout

VPN servers

License

Save

API Access Hashes Page:

Dashboard | ? HELP ? | ruslan (79.184.10.59) | Logout

VPN servers

Creation of access API

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

Delete | Check now

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

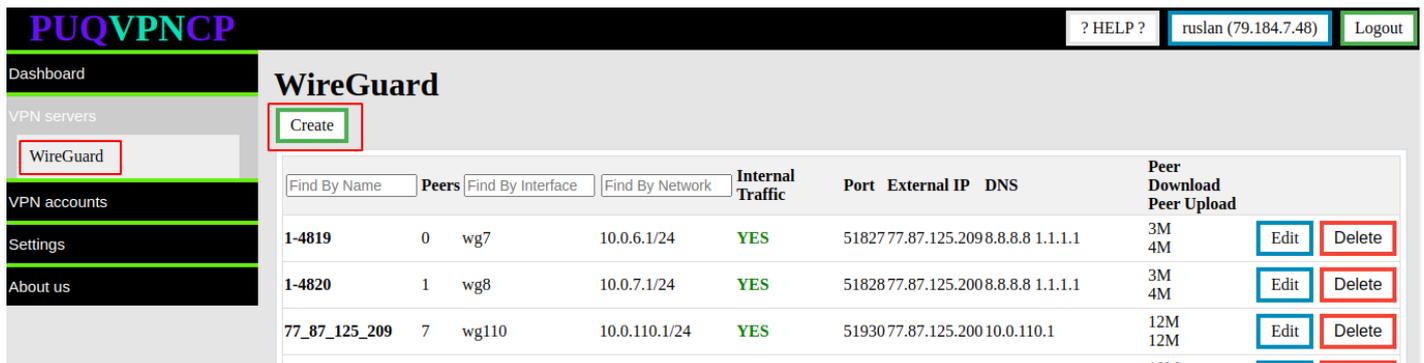
Attention.

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.

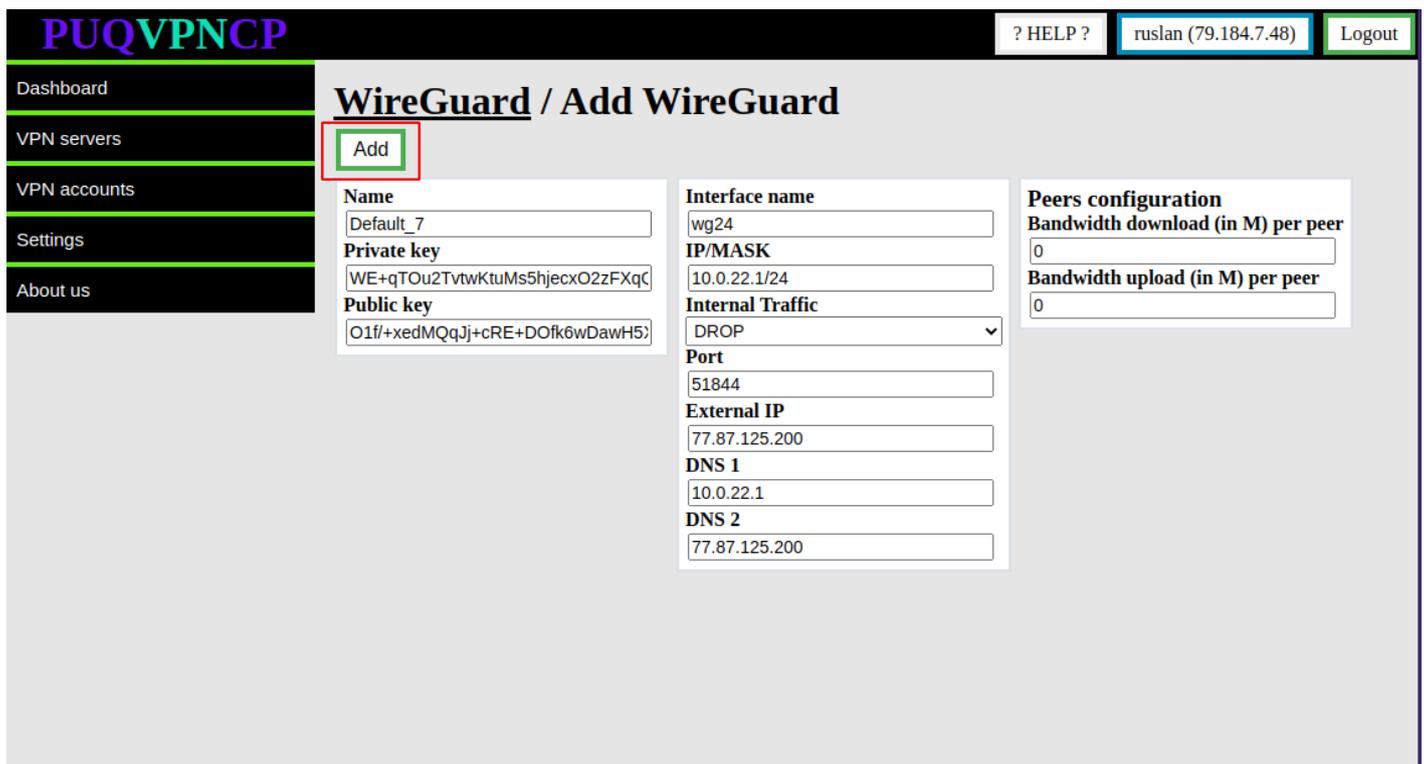
8. Creation of access API

Add new WireGuard is available in the menu item **VPN servers->WireGuard->Click Create**



The screenshot shows the 'WireGuard' management page. On the left is a navigation menu with 'WireGuard' highlighted. The main area has a 'Create' button and a table of existing servers. The table columns are: Find By Name, Peers, Find By Interface, Find By Network, Internal Traffic, Port, External IP, DNS, Peer Download, and Peer Upload. Each row has 'Edit' and 'Delete' buttons.

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	77.87.125.208	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



The screenshot shows the 'WireGuard / Add WireGuard' form. It includes an 'Add' button and several input fields for configuration. The 'Peers configuration' section has two input fields for bandwidth.

Name: Default_7

Private key: WE+qTOu2TvtwKtuMs5hjexO2zFXqC

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

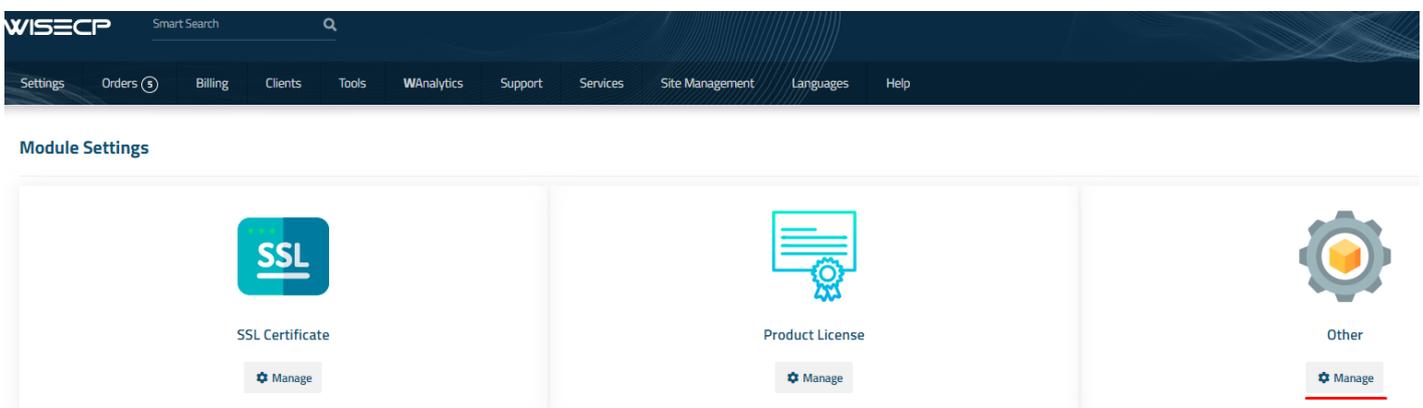
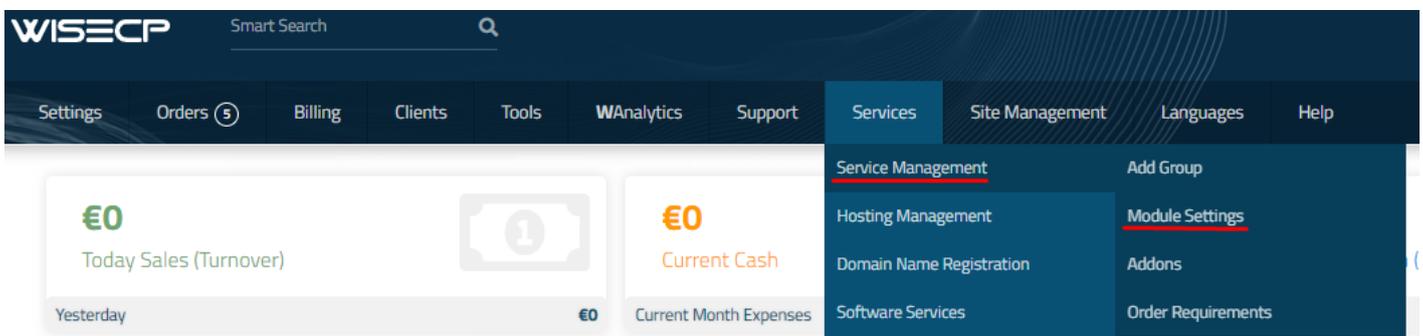
Add server (PUQVPNCP) in WISECP

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...



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- [Blurred]
- PUQ WireGuard VPN
- [Blurred]

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

Other Dashboard / Module Settin

- Initial Settings
- All Modules



PUQ WireGuard VPN

License key 58T112-[Blurred]-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 [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	Edit Delete
24	dev.softkeel.com - A	active	Default	○	466	0/44	Edit Delete

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 PUQ cloud

[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 f1d0f4f ✔ Connection test Successful
Access Hash	
SSL	<input checked="" type="checkbox"/> Connect using SSL
Port	443 <input type="checkbox"/> 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 dashboard. At the top, there is a navigation bar with the WISECP logo and a search bar. Below the navigation bar, there are several menu items: Settings, Orders (5), Billing, Clients, Tools, WAnalytics, Support, Services, Site Management, Languages, and Help. The 'Services' menu item is highlighted, and a dropdown menu is visible, showing options: Service Management, Hosting Management, Domain Name Registration, Software Services, Add Group (underlined in red), Module Settings, Addons, and Order Requirements. On the left side of the dashboard, there are two summary cards: 'Today Sales (Turnover)' for 'Yesterday' and 'Current Cash' for 'Current Month Expenses'.

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 breadcrumb trail 'Dashboard / Create New Service Group'. A green banner at the top states: 'Create a new service group, you can also create new categories and manage the existing one from here.' Below this, there are language selection buttons for EN, UK, and PL. The form fields are as follows:

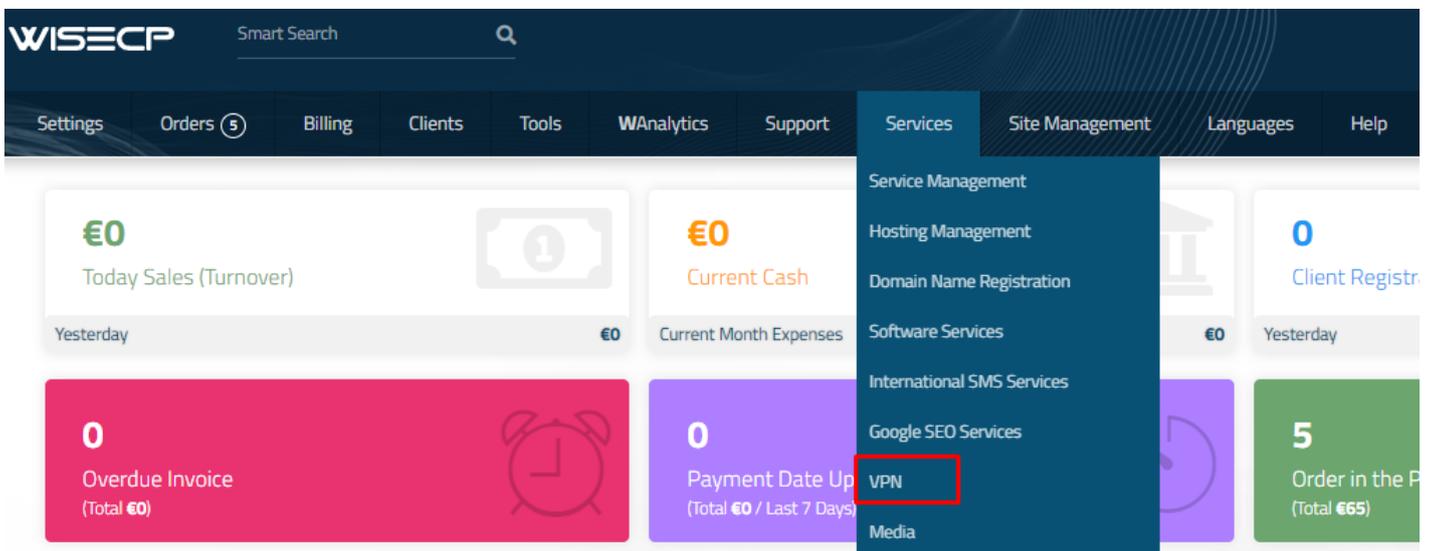
- Title:** VPN
- Short Detail:** Short Group Description
- Listing Template:** Box List Horizontal List
- Status:** Enable
- Background Image:** (optional) [Image upload area]
- Group Colour:** #FFFFFF
- Order Upgrades:** Allow clients to upgrade to higher package in the same service group
- External HTML Code:** Paste your HTML code to this field (Optional)

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.

VPN

+ Create New Service Categories Service Group Settings

Apply to selected

10 Show Record

Service	Category	Amount
---------	----------	--------

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.

WISECP Smart Search

Settings Orders (3) Billing Clients Tools WAnalytics Support Services Site Management Languages Help

Dashboard / VPN / Add Service Product

Add Service Pack For VPN

Detail Core + Optional Addons Requirements Upgradeable Products Pricing

Module PUQ WireGuard VPN

Server Group Default (Servers: 2) WireGuard Server Choose

Bandwidth Download 10 in megabits (M) Bandwidth Upload 10 in megabits (M)

Username prefix Will be attached to the beginning of username. Only small letters and numbers and symbol "-" Username suffix Will be appended to the end of username. Only small letters and numbers and symbol "-"

Link to instruction https://*****/ Link to VPN clients https://*****/

Automatic Setup Please activate for automatic installation of the order. Otherwise, administrator approval is required.

Create Product

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 PUQVPCP

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.