

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... 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](#)

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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. A sidebar on the left contains links to Dashboard, VPN servers, VPN accounts, Settings, and About us. The main content area is divided into three panels: 'Server Information', 'PUQVPNCP', and a bottom row of 'WireGuard', 'Firewall', and 'DNS server' panels. The 'Server Information' panel lists details like Hostname (dev.softkeel.com), OS (Debian GNU/Linux 11), CPU (Common KVM processor), and Memory usage (795 MB Used, 70%). The 'PUQVPNCP' panel shows Status (OK), Version (1.0), WireGuards (109), VPN Accounts (548/550), and a License (2023-11-13T18:38:43+01:00) with 'License' and 'Reload' buttons. The bottom row of panels shows versions for WireGuard (1.0.20210223-1), Firewall (iptables 1.8.7-1, iproute2 5.10.0-4), and DNS server (bind9 1:9.16.33-1~deb11u1), each with 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.

6. License configuration is available in the menu item **Settings->License**

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

License

In order to activate the license key, the key must be entered in the "License Key" field and click on the "Save" button

Creation of access API

To create 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

? HELP ?ruslan (79.184.7.48)Logout

DashboardVPN serversVPN accountsSettingsAbout us

WireGuard

Create

Find By NamePeersFind By InterfaceFind 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

? HELP ?ruslan (79.184.7.48)Logout

DashboardVPN serversVPN accountsSettingsAbout us

WireGuard / Add WireGuard

Add

NameDefault_7Private keyWE+qTOu2TvtwKtuMs5hjecxO2zFXqCPublic keyO1f/+xedMQqJj+cRE+DOfk6wDawH5J

Interface namewg24IP/MASK10.0.22.1/24Internal TrafficDROPPort51844External IP77.87.125.200DNS 110.0.22.1DNS 277.87.125.200

Peers configurationBandwidth download (in M) per peer0Bandwidth upload (in M) per peer0

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

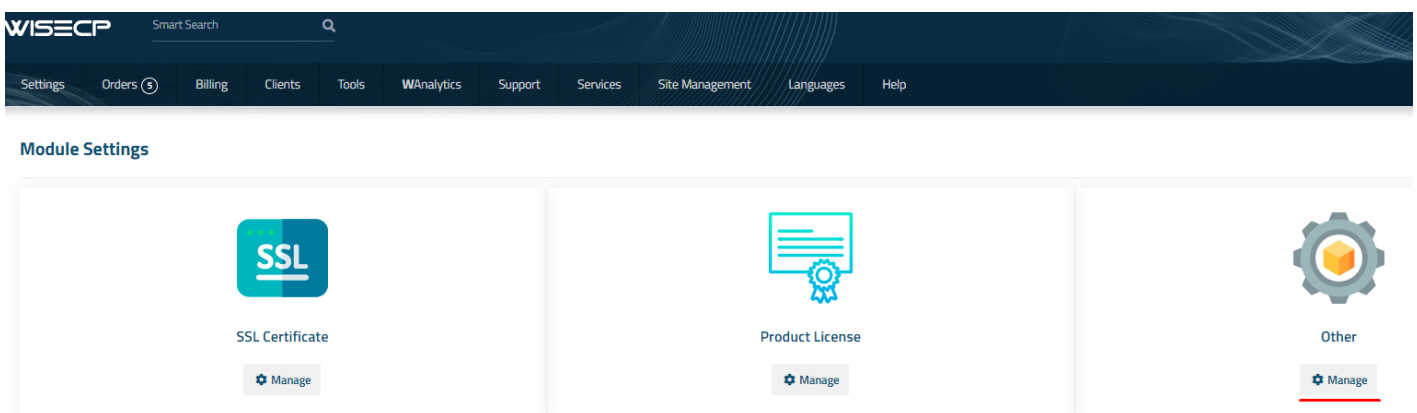
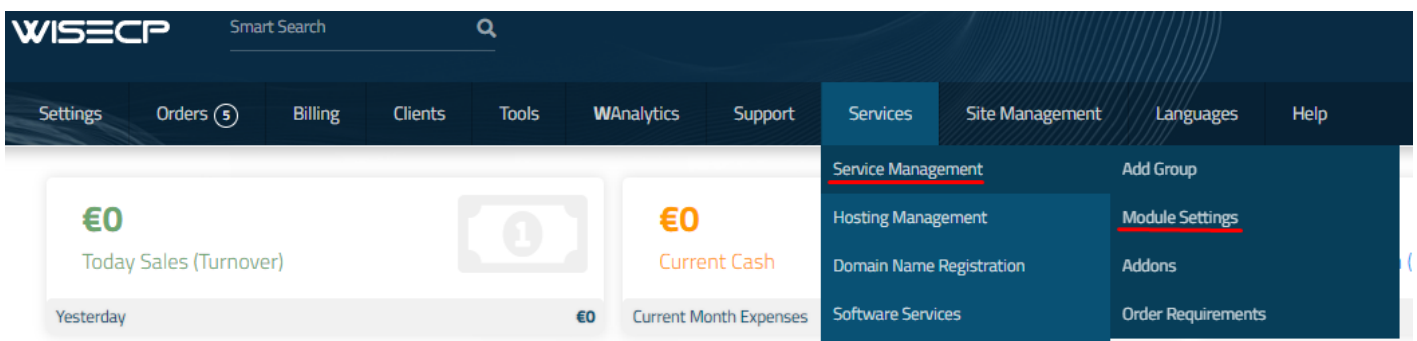
Add server (PUQVPNCP) in WISECP

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.

Other

Dashboard / Module Settin

Initial Settings All Modules

PUQ WireGuard VPN

PUQ cloud

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.

- 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

☐ Set as default server in group

IP Address or Domain

dev.softkeel.com

f1d0f4f

✓ Connection test Successful

Access Hash

SSL

☒ Connect using SSL

Port

443

☐ Change standard port

Test Connection

Test Connection

« Turn Back

Add New Server



[Go to Back](#)

| | |
|----------------------------|---|
| 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 |
| Access Hash | |
| SSL | <input checked="" type="checkbox"/> Connect using SSL |
| Port | 443 <input type="checkbox"/> Change standard port |
| Test Connection | <button>Test Connection</button> |

[« Turn Back](#)

Add New Server

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 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 summary cards: 'Today Sales (Turnover)' showing €0 for Yesterday, and 'Current Cash' showing €0 for Current Month Expenses. A '1' icon is visible in the background of the dashboard.

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

WISECP

Smart Search

Q

SettingsOrdersBillingClientsToolsWAnalyticsSupportServicesSite 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

SettingsOrdersBillingClientsToolsWAnalyticsSupportServicesSite ManagementLanguagesHelp

Service Management

Hosting Management

Domain Name Registration

Software Services

International SMS Services

Google SEO Services

VPN

Media

€0

Today Sales (Turnover)

Yesterday

€0

€0

Current Cash

Current Month Expenses

€0

0

Overdue Invoice

(Total €0)

0

Payment Date Up

(Total €0 / Last 7 Days)

0

Client Registr

Yesterday

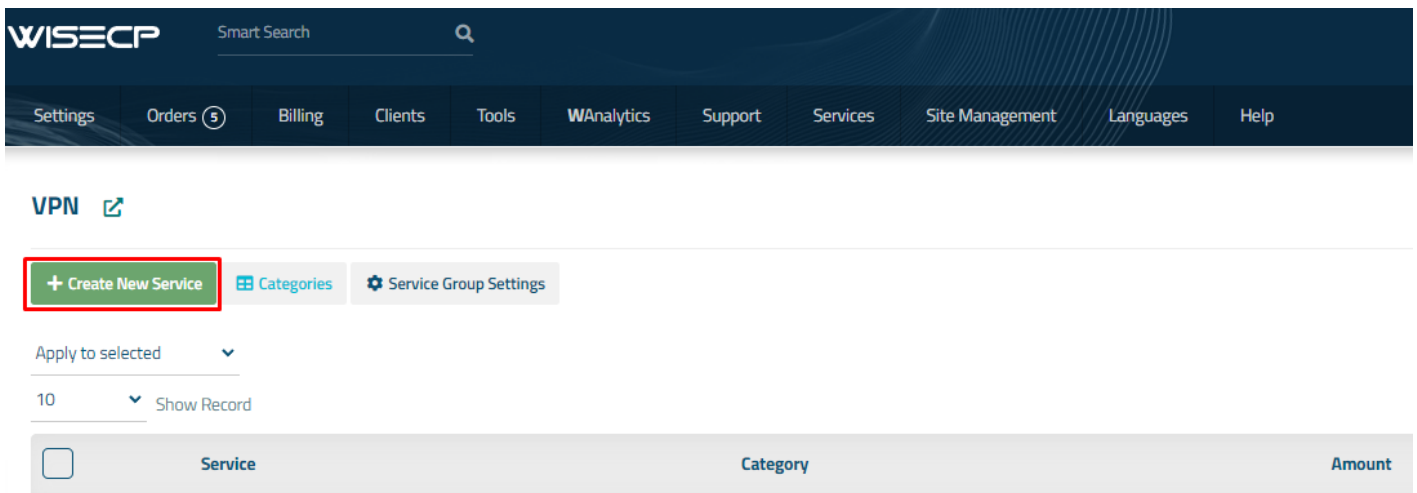
€0

5

Order in the P

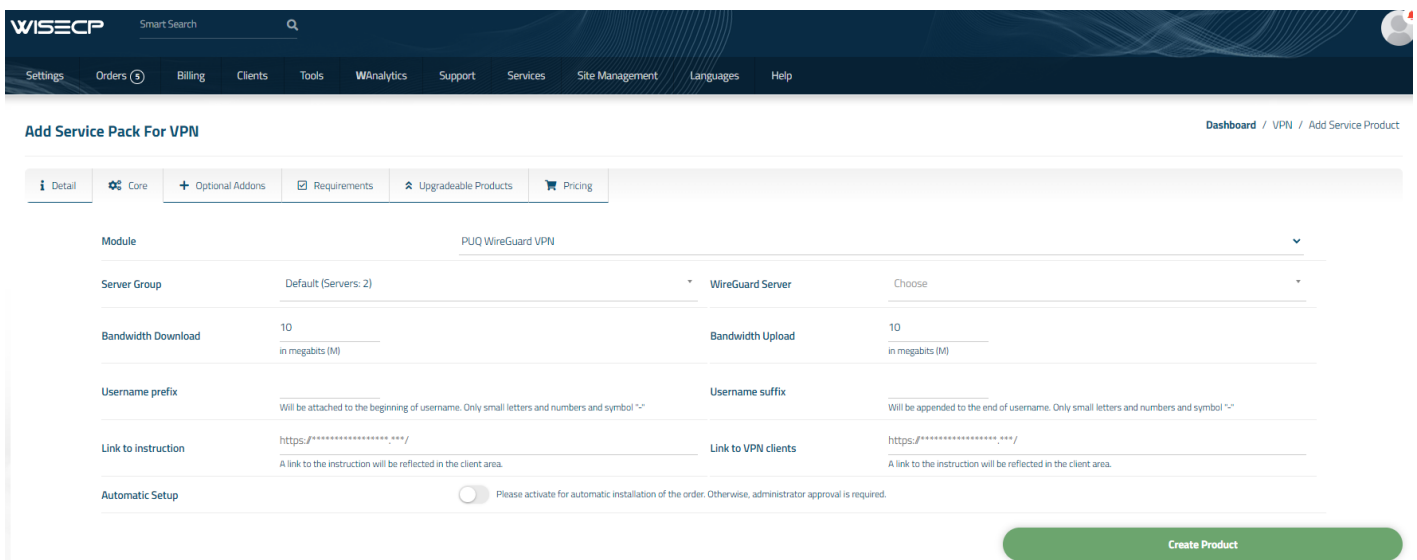
(Total €65)

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.