

Installation and configuration guide

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Setup (install/update)

WireGuard Business-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 https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-WireGuard-Business-VPN/PUQ_WISECP-WireGuard-Business-VPN-latest.zip
```

All versions are available: https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-WireGuard-Business-VPN/

2. Unzip the archive with the module.

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

3. Copy and Replace "puqMikrotikWireGuardBusinessVPN" from "PUQ_WISECP-WireGuard-Business-VPN" to "WISECP_WEB_DIR/coremio/modules/Product/"

License Activation

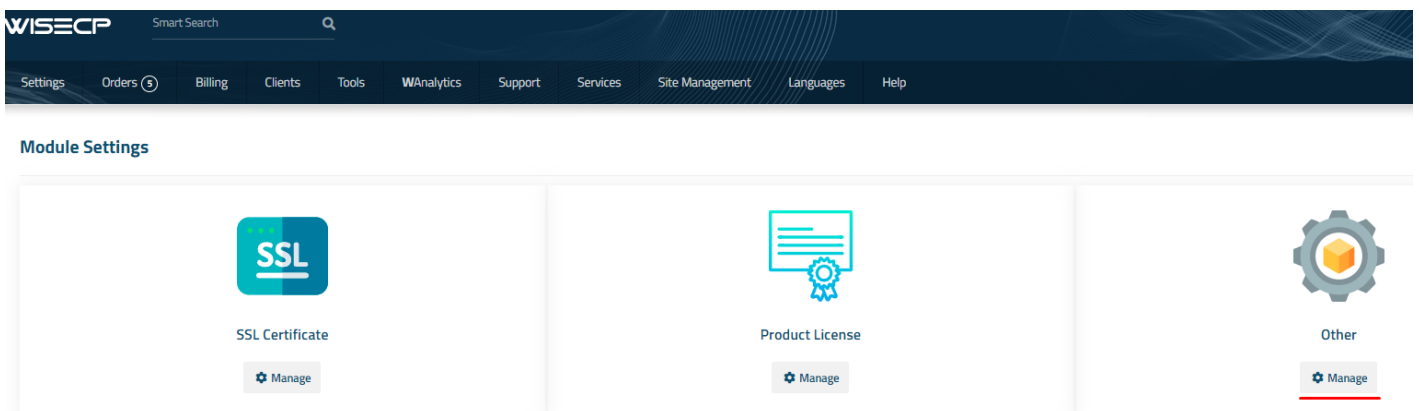
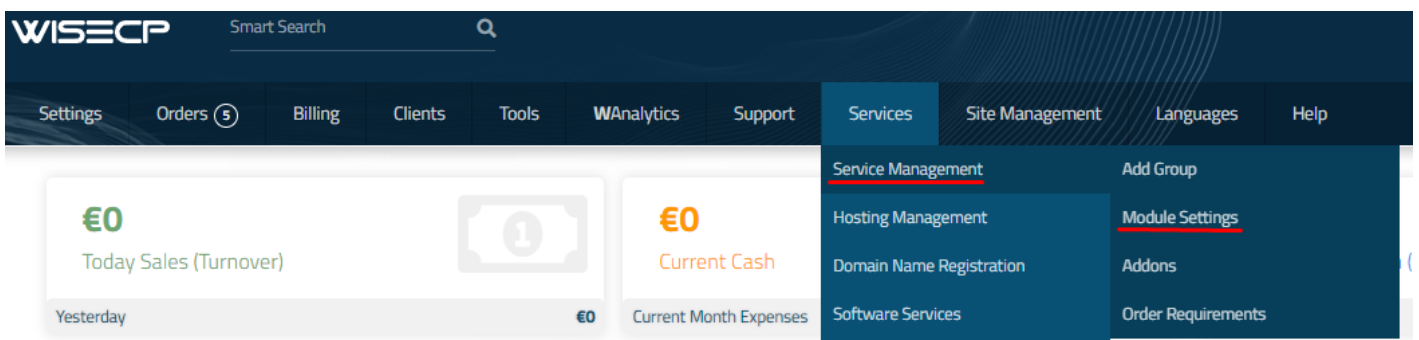
WireGuard Business-VPN module **WISECP**

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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 Business- VPN



Other

Other

Dashboard / Module Settings

Search Within Modules

Write something...



- PUQ WireGuard Business-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 / Module Settings /

PUQ WireGuard Business-VPN



License key

T14J5Y- -MQLNSQ

✓ 2023-12-16T21:57:37+01:00

Check and Save

Version: 1.0

Web Site

Documentation

Changelog

+ Add New Server

Server Groups

Servers [PUQVPNCP](#)

PUQVPNCP installation and configuration

WireGuard Business-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 the PUQVPNCP 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. On the left is a sidebar menu with options: Dashboard, VPN servers, Requirements, VPN accounts, Settings, and About us. The 'Settings' section is currently active. The main area displays 'Server Information' with details like Hostname (dev.softkeel.com), OS Name (Debian GNU/Linux 11 (bullseye)), Architecture (amd64), CPU (Common KVM processor), CPU Threads (4), Load (0.82, 0.03, 0.14), Memory (7956 MB), Used (70%), and Timezone (Europe/Warsaw). To the right of this is a 'PUQVPNCP' status box showing Status (OK), Version (1.0), WireGuards (109), VPN Accounts (548/550), and License (2023-11-13T18:38:43+01:00), with 'License' and 'Reload' buttons. Below these are three boxes for 'WireGuard', 'Firewall', and 'DNS server', each with version information and a 'Configure' button. A large text overlay reads: '5. Enable SSL - Let's Encrypt'. Below this, it says: '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
VPN accounts
Settings
Firewall
DNS
One-time link
System users
API
License
About us

License

Save

Creation of access API License

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

Delete Check now

PUQVPNC P ? HELP ? ruslan (79.184.10.59) Logout

Dashboard
VPN servers
VPN accounts
Settings
Firewall
DNS
One-time link
System users
API
License
About us

API Access Hashs Successfully

Name IP Add

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

Access hash Copy hash

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 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

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? HELP ?ruslan (79.184.7.48)Logout

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

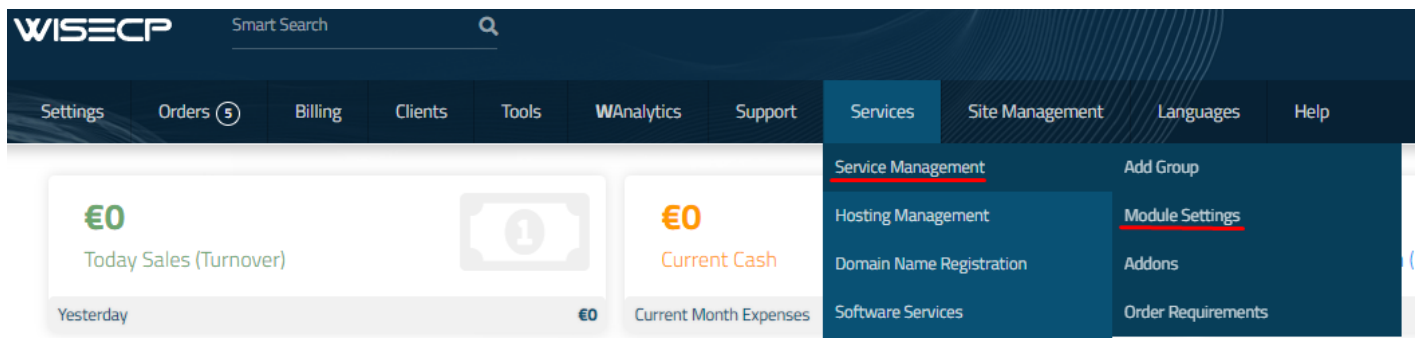
Add server (PUQVPNCP) in WISECP

WireGuard Business-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 Business- VPN



WISCP Smart Search


Settings Orders (5) Billing Clients Tools WAnalytics Support Services Site Management Languages Help

Module Settings




SSL Certificate

Manage



Product License

Manage



Other

Manage

WISCP Smart Search

Settings Orders (5) Billing Clients Tools WAnalytics Support Services Site Management Languages Help

Other

Initial Settings All Modules

WISCP Smart Search

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

Other

Dashboard / Module Settings

Initial Settings All Modules

Search Within Modules

Write something...

PUQ WireGuard Business-VPN


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

WIS3CP Smart Search

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

Other Dashboard / Module Settings /

Initial Settings All Modules

PUQ WireGuard Business-VPN 

License key TI4J5Y- MQLNSQ 2023-12-16T21:57:37+01:00 [Check and Save](#)

Version: 1.0 [Web Site](#) [Documentation](#) [Changelog](#)

[+ Add New Server](#) [Server Groups](#)

Servers [PUQVPNCNCP](#)

10 [Show Record](#) Search

#	Name	Status	Group	Default	IP/Domain	Usage Stats	
5	dev.softkeel.com	active	Default	✔	dev.softkeel.com	1/10	Edit Delete

Showing records from 1 to 1 - 1 [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.
- **Main Public IP Address:** is the public IP that will be used in those services which will utilize a single public IP for all.
- **DNS 1 and DNS 2:** are DNS servers that will be specified in the configuration of WireGuard clients.
- **IP Address or Domain:** The address of the PUQVPNCNCP server you are connecting to
- **Access Hash:** API key that you created in the previous step on the PUQVPNCNCP server. (IP addresses should be configured on the interfaces in PUQVPNCNCP.)
- Check the **SSL** box if you want to use SSL-encrypted connection. If necessary, specify the port and perform a connection test.

[Go to Back](#)

Add New Server

Name	dev.softkeel.com	
Maximum Number of Accounts	10	
Server Group	Default	
Default	<input type="checkbox"/> Set as default server in group	
Main Public IP Address	77.87.125.200	
DNS 1	77.87.125.10	
DNS 2	77.87.125.20	
Assigned IP Addresses (One per line)	<div>77.87.125.201</div> <div>77.87.125.202</div> <div>77.87.125.203</div> <div>77.87.125.204</div> <div>77.87.125.205</div> <div>77.87.125.206</div> <div>77.87.125.207</div> <div>77.87.125.208</div> <div>77.87.125.209</div>	
IP Address or Domain	dev.softkeel.com	
	e7472a16f59154643385eee5d6c313857106dfe8a12acdc8b77722af8f2fc3d4394a977b191889d8	
Access Hash		
SSL	<input checked="" type="checkbox"/> Connect using SSL	
Port	443 <input type="checkbox"/> Change standard port	
Test Connection	<input type="button" value="Test Connection"/>	

Add New Server

Service/Product configuration

WireGuard Business-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 and a 'Smart Search' bar. Below the header is a navigation menu with tabs for Settings, Orders (5), Billing, Clients, Tools, WAnalytics, Support, Services, Site Management, Languages, and Help. The 'Services' tab is currently selected. Below the navigation menu, there are two dashboard widgets: 'Today Sales (Turnover)' showing €0 for yesterday, and 'Current Cash' showing €0 for the current month. To the right of these widgets is a dropdown menu for 'Services' with options: Service Management, Hosting Management, Domain Name Registration, Software Services, Add Group (highlighted with a red underline), Module Settings, Addons, and Order Requirements.

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 fields are as follows:

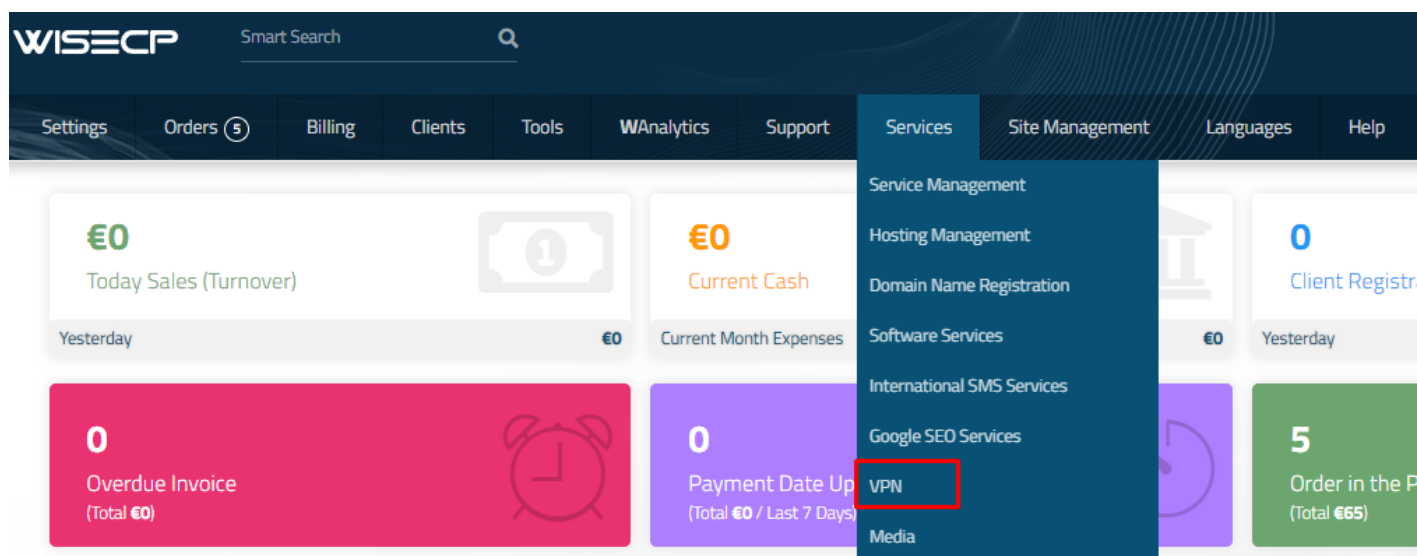
- Title:** VPN
- Short Detail:** Short Group Description
- Listing Template:** Box List (selected), Horizontal List
- Status:** Enable
- Background Image:** (optional) [Image placeholder]
- Group Colour:** #FFFFFF
- Order Upgrades:** ☐ Allow clients to upgrade to higher package in the same service group
- 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.

	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 Business-VPN' module from the drop-down list of modules.

i Detail

Core

+ Optional Addons

Requirements

Upgradeable Products

Pricing

Active Services

Module

PUQ WireGuard Business-VPN

Server Group

Default (Servers: 1)

Number of VPN users

5

Bandwidth Download

5

in megabits (M)

Bandwidth Upload

5

in megabits (M)

Username prefix

wisecp-

Will be attached to the beginning of username. Only small letters and numbers and symbol "-"

Username suffix

-puq

Will be appended to the end of username. Only small letters and numbers and symbol "-"

Use main Public IP Address

☐ Use one main public IP for all services

Internal traffic

☒ Allow internal traffic

Enable IKEv2

☒ To enable the IKEv2 protocol

Persistent Keepalive

25

Interface MTU

1500

AllowedIPs

0.0.0.0/0

Link to instruction

https://puqcloud.com/

A link to the instruction will be reflected in the client area.

Link to VPN clients

https://puqcloud.com/

A link to the instruction will be reflected in the client area.

Automatic Setup

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

Edit 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
- **Number of VPN Accounts:** the quantity of VPN user accounts a client can create within this package
- **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 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 "-"
- **Use main Public IP Address:** Use one main public IP for all services

- **Internal Traffic:** If the checkbox is selected, it indicates that internal traffic between VPN clients of the client will be allowed.
- **Persistent Keepalive/AllowedIPs:** parameters of configuration WireGuard clients
- **Interface MTU:** This parameter will be set during the creation of the WireGuard interface.
- **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