

# 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/](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

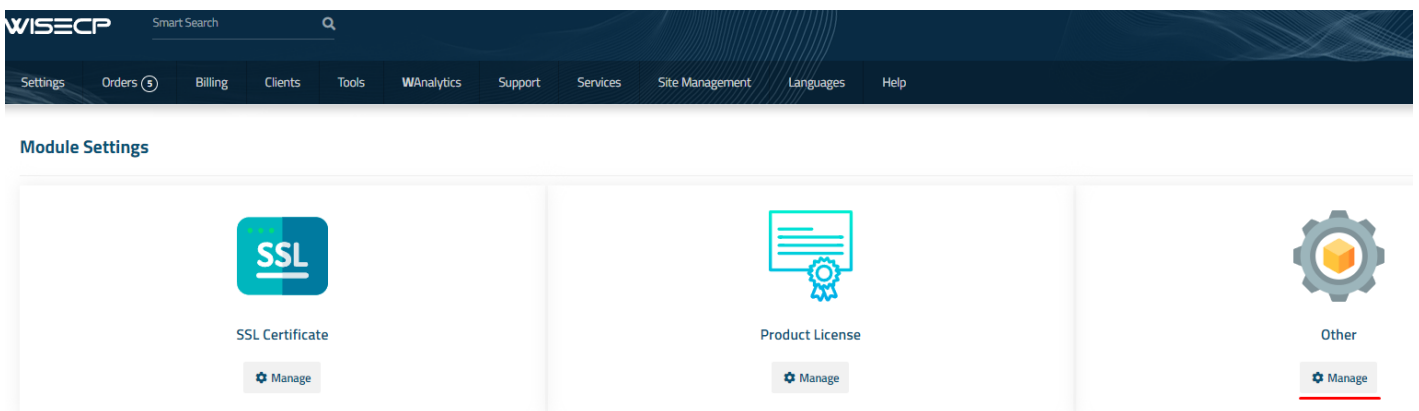
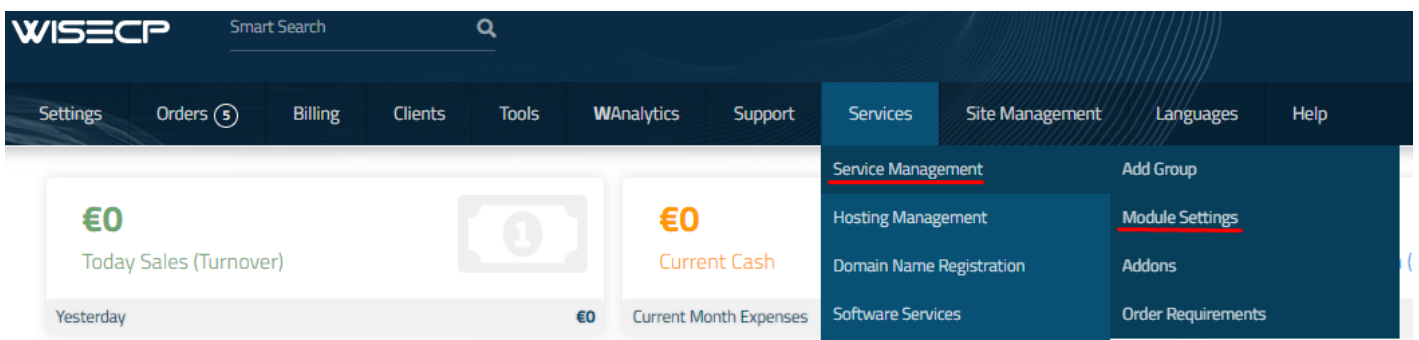
## WireGuard Business-VPN module **WISECP**

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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 details 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
```

```
LetsEncrypSSL=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

? HELP ? ruslan (79.184.10.59) Logout

### Creation of access API License

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

Delete Check now

? HELP ? ruslan (79.184.10.59) Logout

### 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.

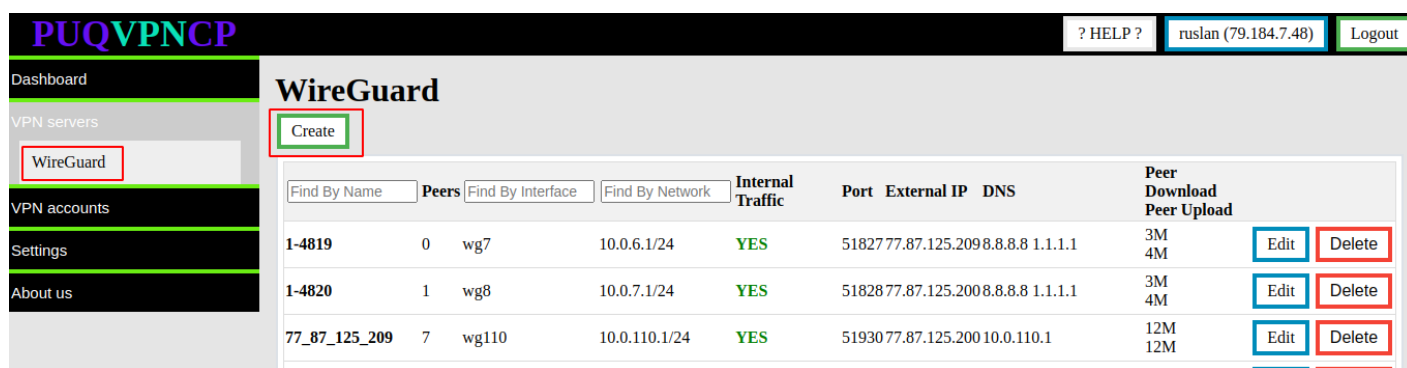
The generated Access hash will only be shown once. Copy it, it will be needed during configuration of the product server in the WHMCS system.



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.

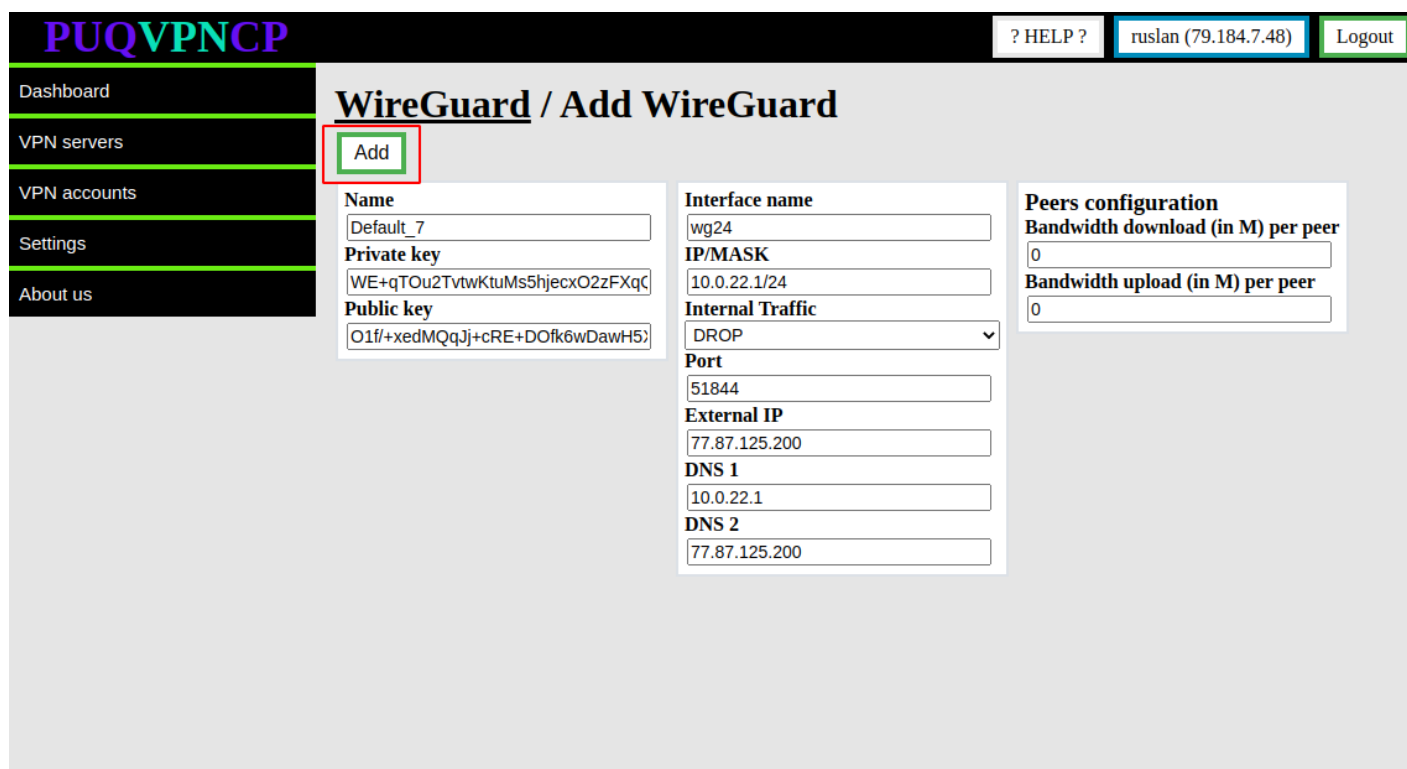
## 8. Creation of access API

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



The screenshot shows the PUQVPNCP dashboard. The left sidebar contains links for Dashboard, VPN servers, VPN accounts, Settings, and About us. The 'VPN servers' link is highlighted. The main content area is titled 'WireGuard' and features a 'Create' button in a red box. Below this is a table of existing WireGuard servers.

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	<a href="#">Edit</a> <a href="#">Delete</a>
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	<a href="#">Edit</a> <a href="#">Delete</a>
77_87_125_209	7	wg110	10.0.110.1/24	YES	51930	77.87.125.200	10.0.110.1	12M	12M	<a href="#">Edit</a> <a href="#">Delete</a>



The screenshot shows the 'WireGuard / Add WireGuard' form. The left sidebar is the same as the previous screenshot. The main content area is titled 'WireGuard / Add WireGuard' and features an 'Add' button in a red box. The form contains several sections for configuration:

- 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 (dropdown menu)
- 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

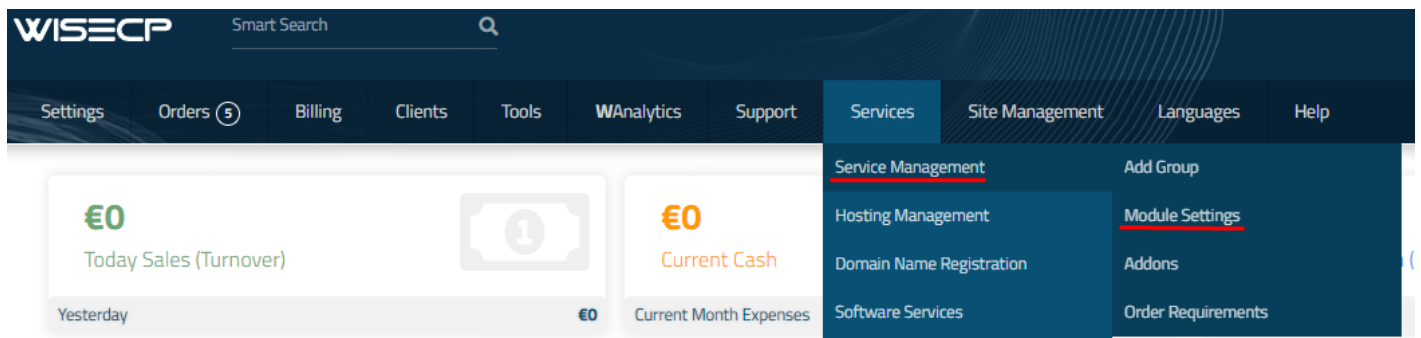
# Add server (PUQVPNCP) in WISECP

## 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

PUQVPNCP

10

Show Record

Search

#	Name	Status	Group	Default	IP/Domain	Usage Stats	
5	dev.softkeel.com	active	Default		dev.softkeel.com	1/10	<div></div> <div></div>

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 PUQVPNCP server you are connecting to
- **Access Hash:** API key that you created in the previous step on the PUQVPNCP server. (IP addresses should be configured on the interfaces in PUQVPNCP.)
- 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 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, Site Management, Languages, and Help. The 'Services' menu item is highlighted. Below the header, the 'Service Management' dropdown menu is open, showing options: Add Group (highlighted with a red underline), Module Settings, Addons, 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'.

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.



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 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/

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