PUQ Mautic
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Installation and configuration guide

- Setup (install/update)
- License Activation
- Mikrotik preparation and configuration
- Add server (Mikrotik) in WISECP
- Service/Product configuration

Setup (install/update)

Mikrotik 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 https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-Mikrotik-WireGuard-VPN/php81/PUQ_WISECP-Mikrotik-WireGuard-VPN-latest.zip
```

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

2. Unzip the archive with the module.

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

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

License Activation

Mikrotik WireGuard VPN module

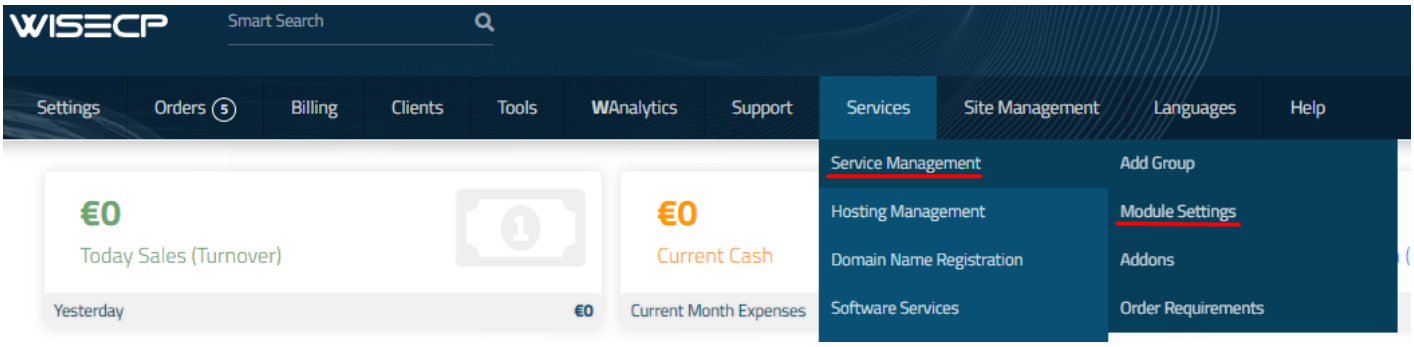
WISECP

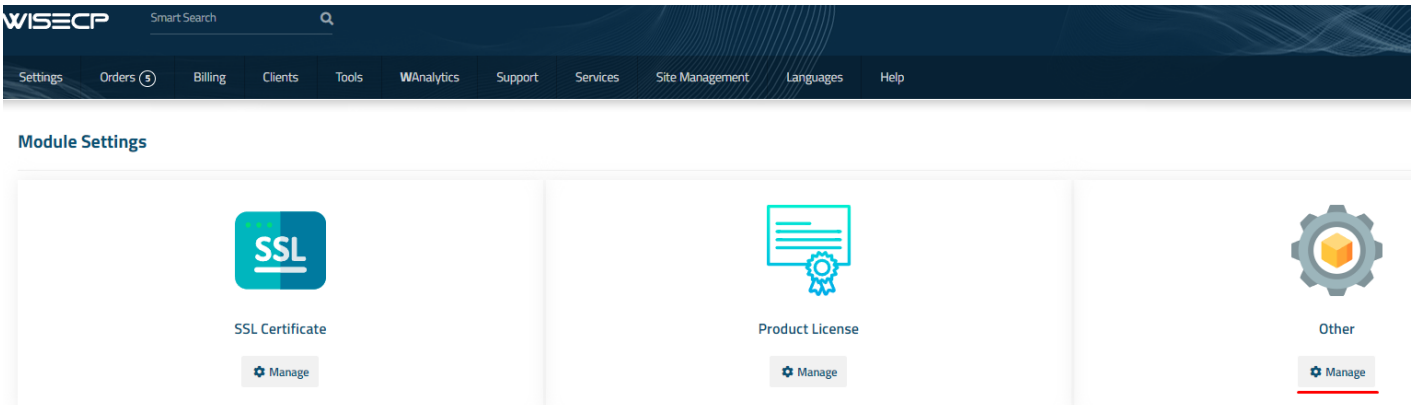
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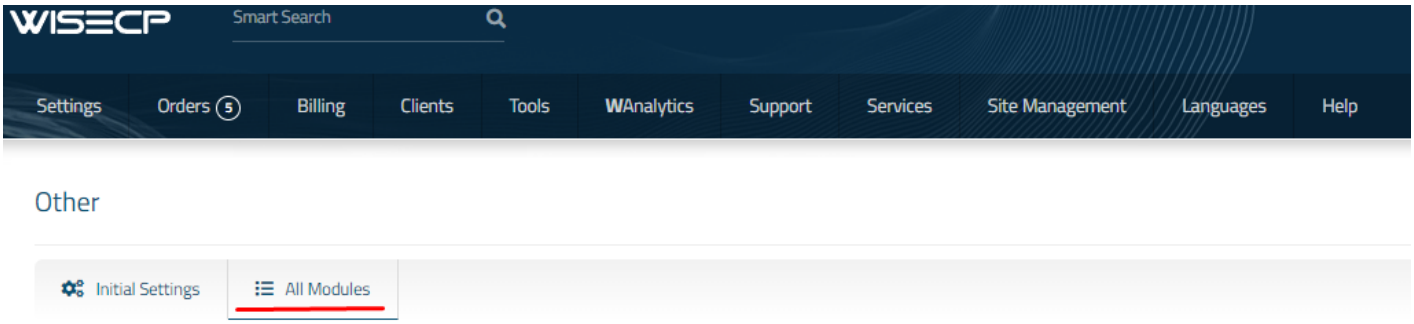
1. Log in to the administrative area of your **WISECP**.

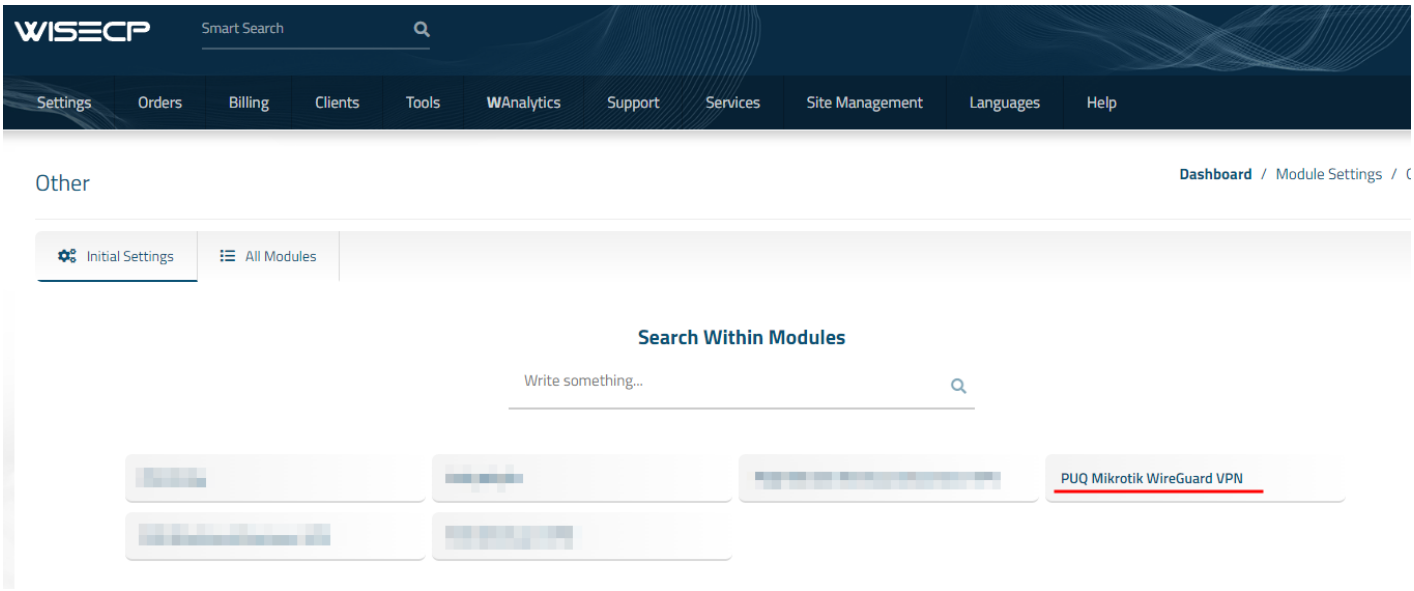
2. Go to module configuration.

```
Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ Mikrotik WireGuard VPN
```

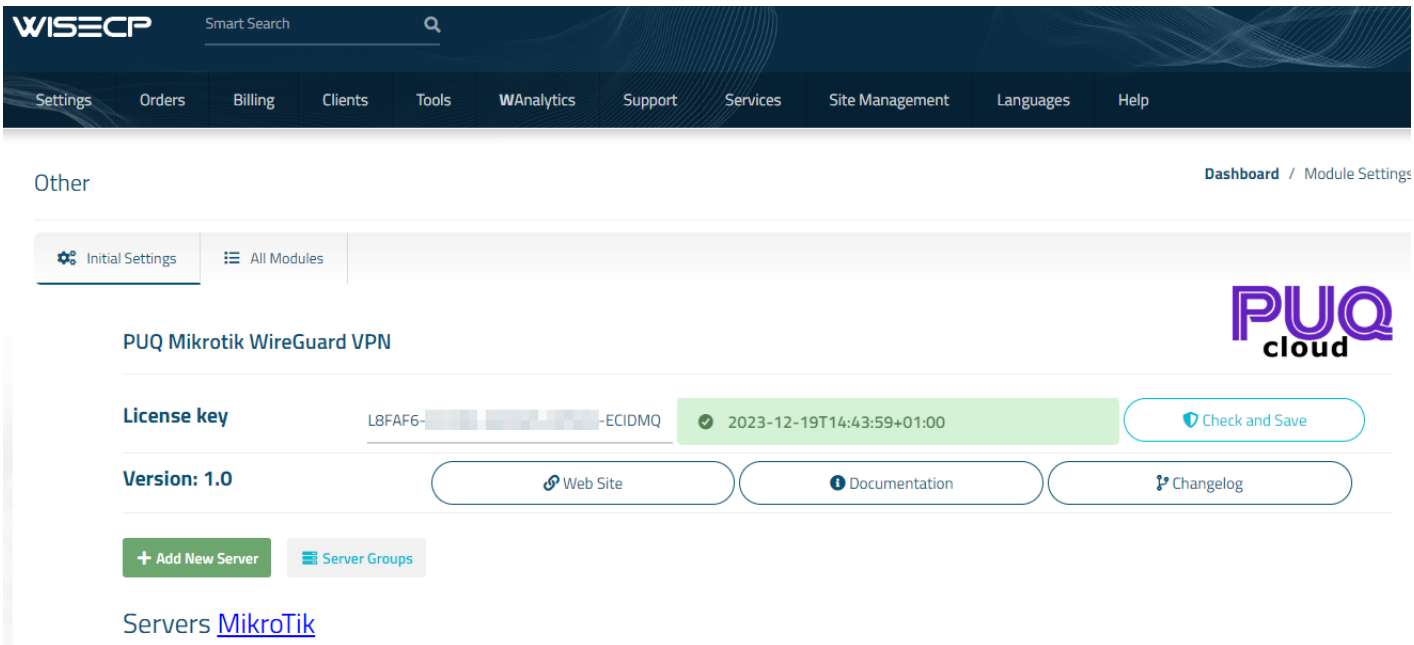








3. On the open page, enter the purchased license key for this product and click the '**Check and Save**' button to validate the key and save it.



Mikrotik preparation and configuration

Mikrotik WireGuard VPN module **WISECP**

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> Note: **Enter the following commands one by one and wait for the command to complete.**

Check RouterOS version

> **Make sure that the version of RouterOS is 7+**

```
system/package/print
```

Enabling HTTPS Create your own root CA on your router

```
/certificate
add name=LocalCA common-name=LocalCA key-usage=key-cert-sign,crl-sign
```

Sign the newly created CA certificate

```
/certificate
sign LocalCA
```

Create a new certificate for Webfig (non-root certificate)

Note: as common-name=XXX.XXX.XXX.XXX You enter public IP adddress of the router.

```
/certificate
add name=Webfig common-name=XXX.XXX.XXX.XXX
```

Sign the newly created certificate for Webfig

```
/certificate
sign Webfig ca=LocalCA
```

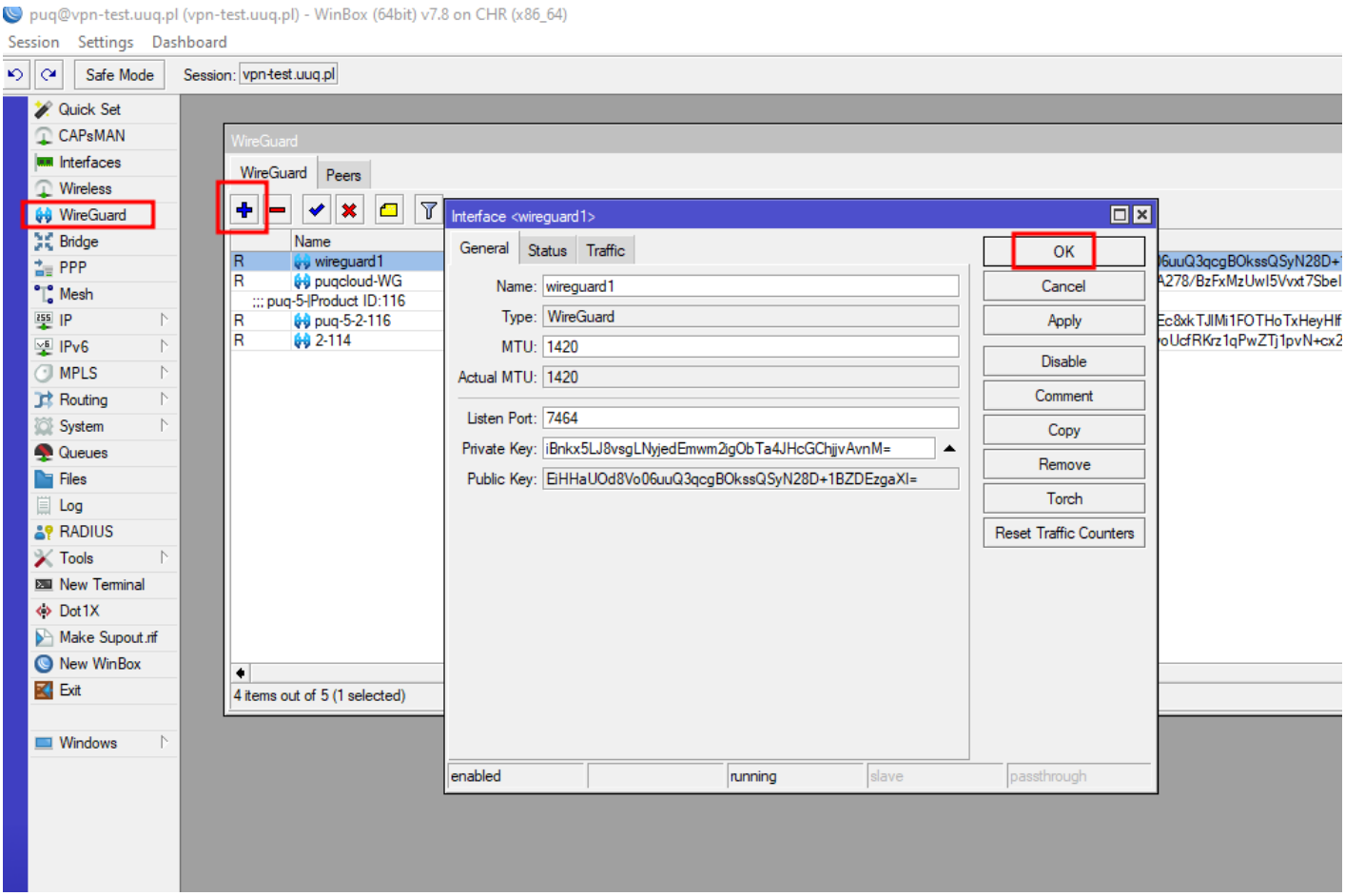
Enable SSL (*www-ssl)* and specify to use the newly created certificate for Webfig

```
/ip service
set www-ssl certificate=Webfig disabled=no
```

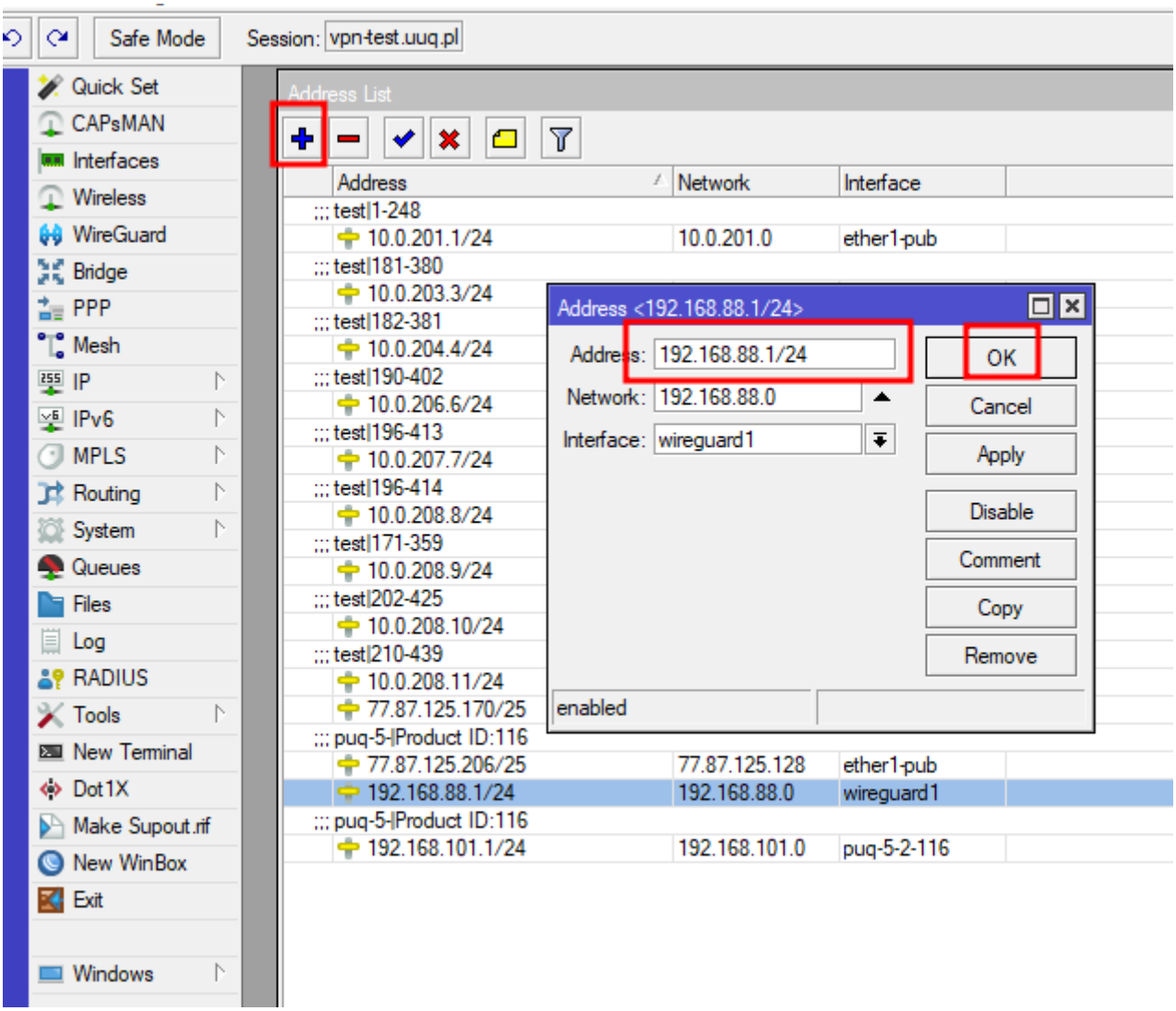
Enable api-ssl and specify to use the newly created certificate for Webfig

```
 /ip service
 set api-ssl certificate=Webfig disabled=no
```

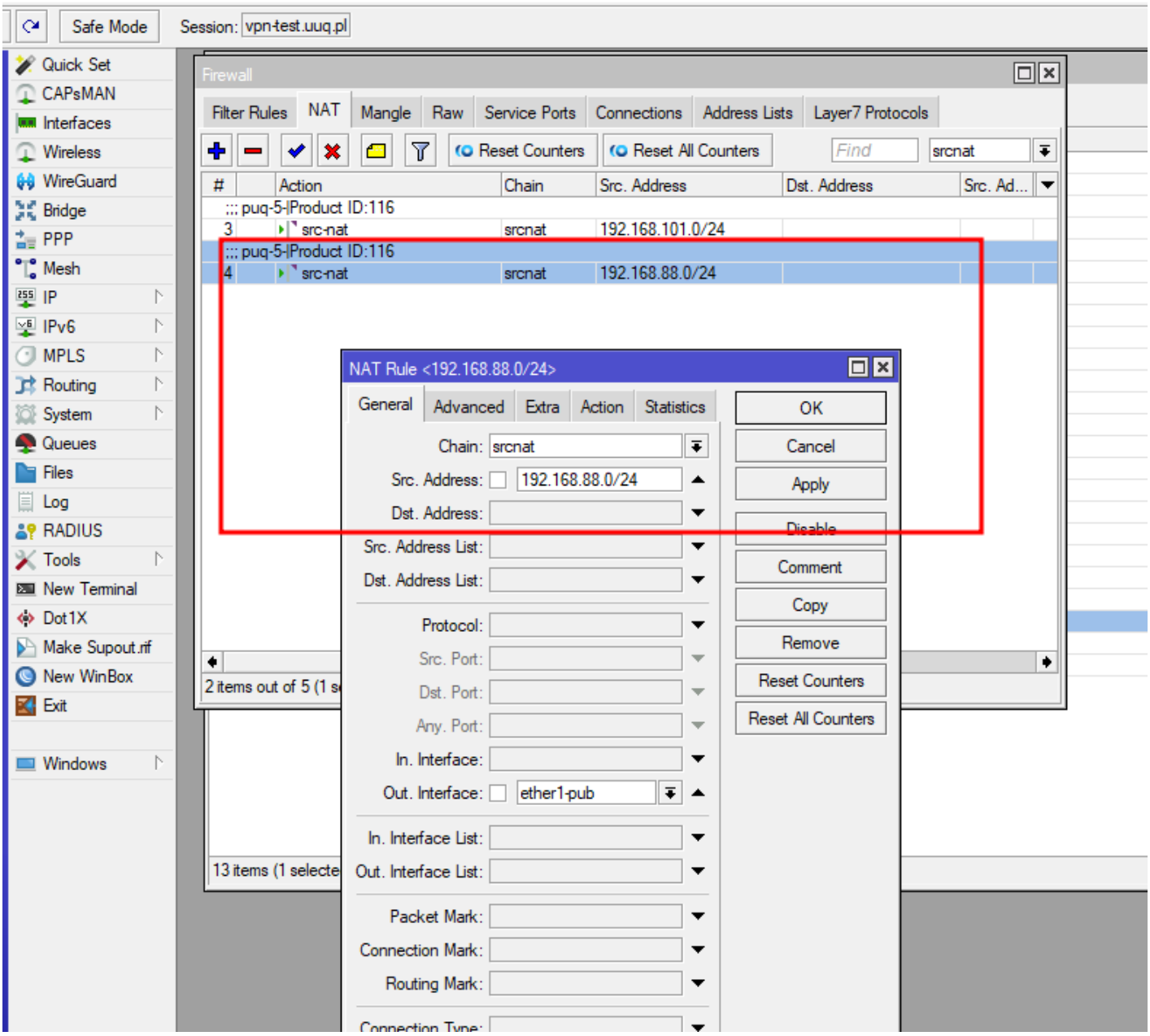
Enable WireGuard VPN server



Add IP address on Wireguard interface



Configuring NAT rules on the firewall


Safe Mode
Session: vpn-test.uuq.pl
Quick Set
CAPsMAN
Interfaces
Wireless
WireGuard
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
RADIUS
Tools
New Terminal
Dot1X
Make Supout.rif
New WinBox
Exit
Windows
Firewall
Filter Rules
NAT
Mangle
Raw
Service Ports
Connections
Address Lists
Layer7 Protocols
Reset Counters
Reset All Counters
Find
srcnat
Action Chain Src. Address Dst. Address Src. Ad...
;;; puq-5-|Product ID:116
3 src-nat srcnat 192.168.101.0/24
;;; puq-5-|Product ID:116
4 src-nat srcnat 192.168.88.0/24
2 items out of 5 (1 s
13 items (1 selecte
NAT Rule <192.168.88.0/24>
General
Advanced
Extra
Action
Statistics
Chain: srcnat
Src. Address: 192.168.88.0/24
Dst. Address:
Src. Address List:
Dst. Address List:
Protocol:
Src. Port:
Dst. Port:
Any. Port:
In. Interface:
Out. Interface: ether1-pub
In. Interface List:
Out. Interface List:
Packet Mark:
Connection Mark:
Routing Mark:
Connection Type:
OK
Cancel
Apply
Disable
Comment
Copy
Remove
Reset Counters
Reset All Counters

Add server (Mikrotik) in WISECP

Mikrotik WireGuard VPN module

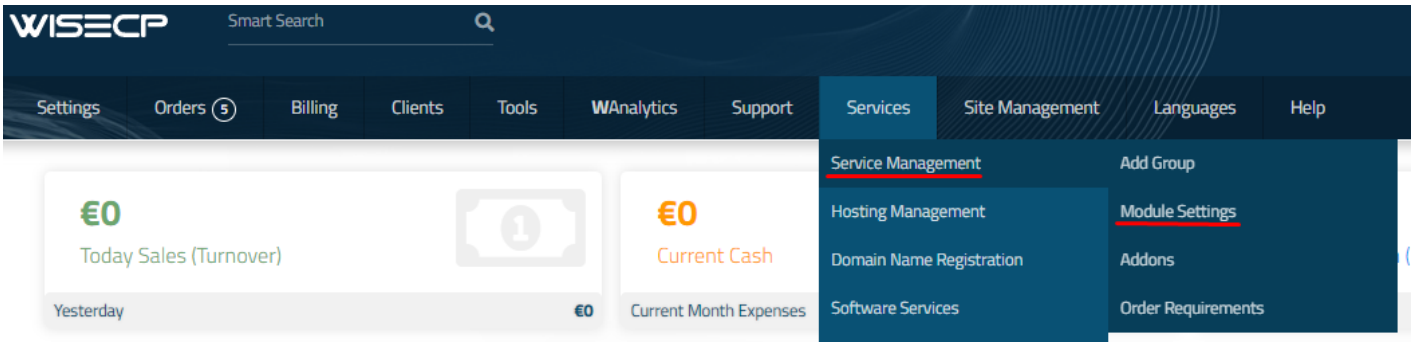
WISECP

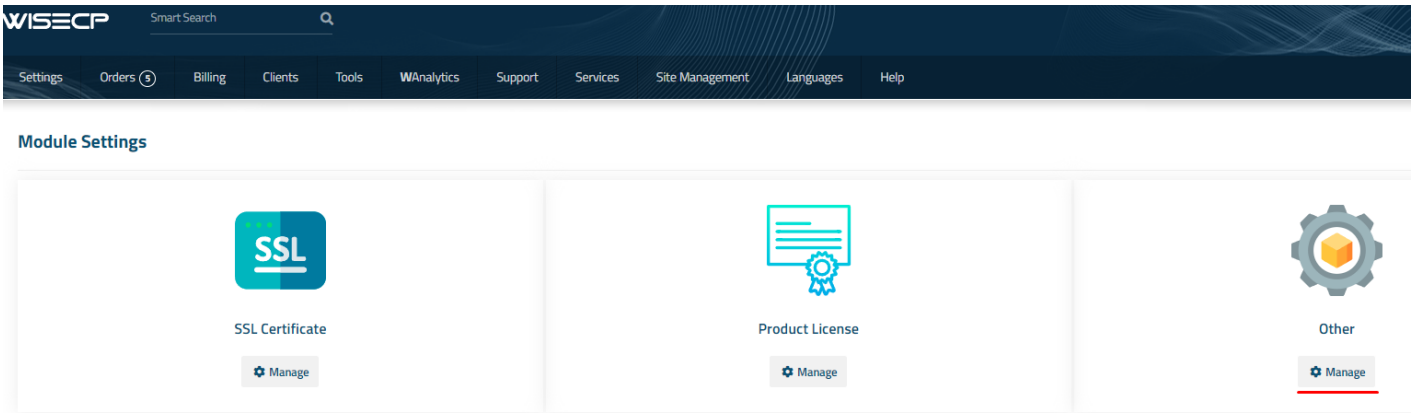
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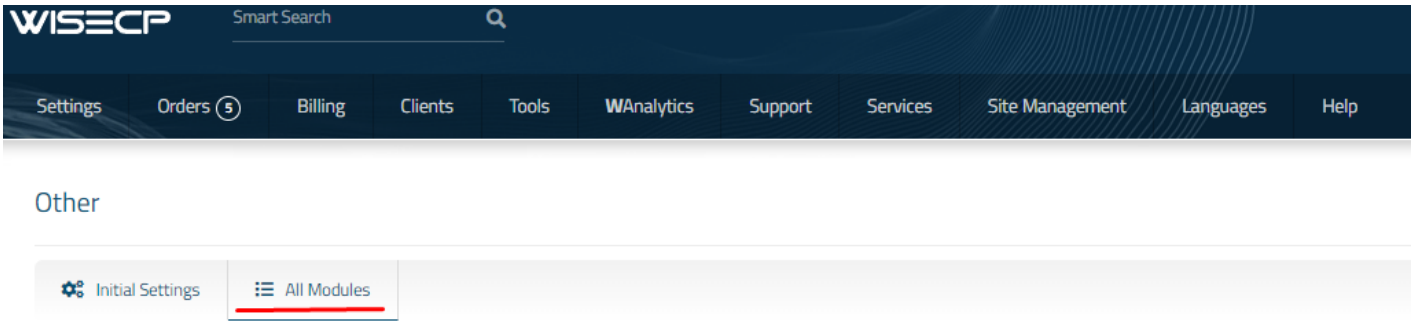
1. Log in to the administrative area of your **WISECP**.

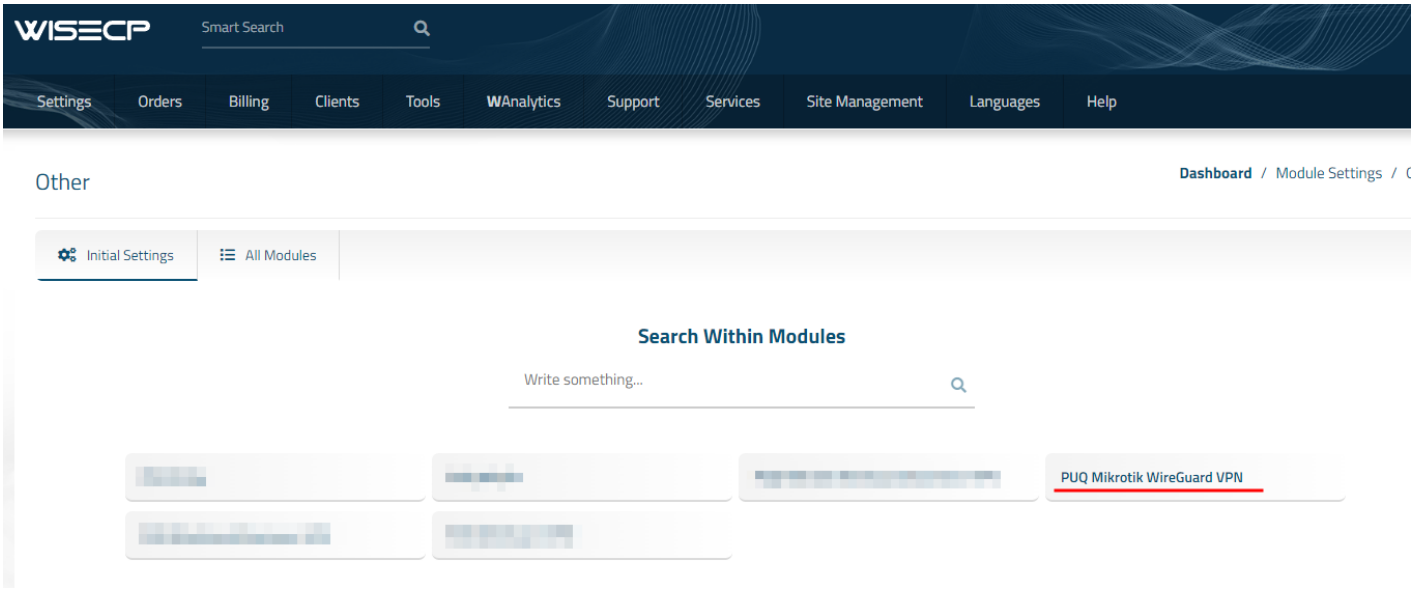
2. Go to module configuration.

```
Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ Mikrotik WireGuard VPN
```

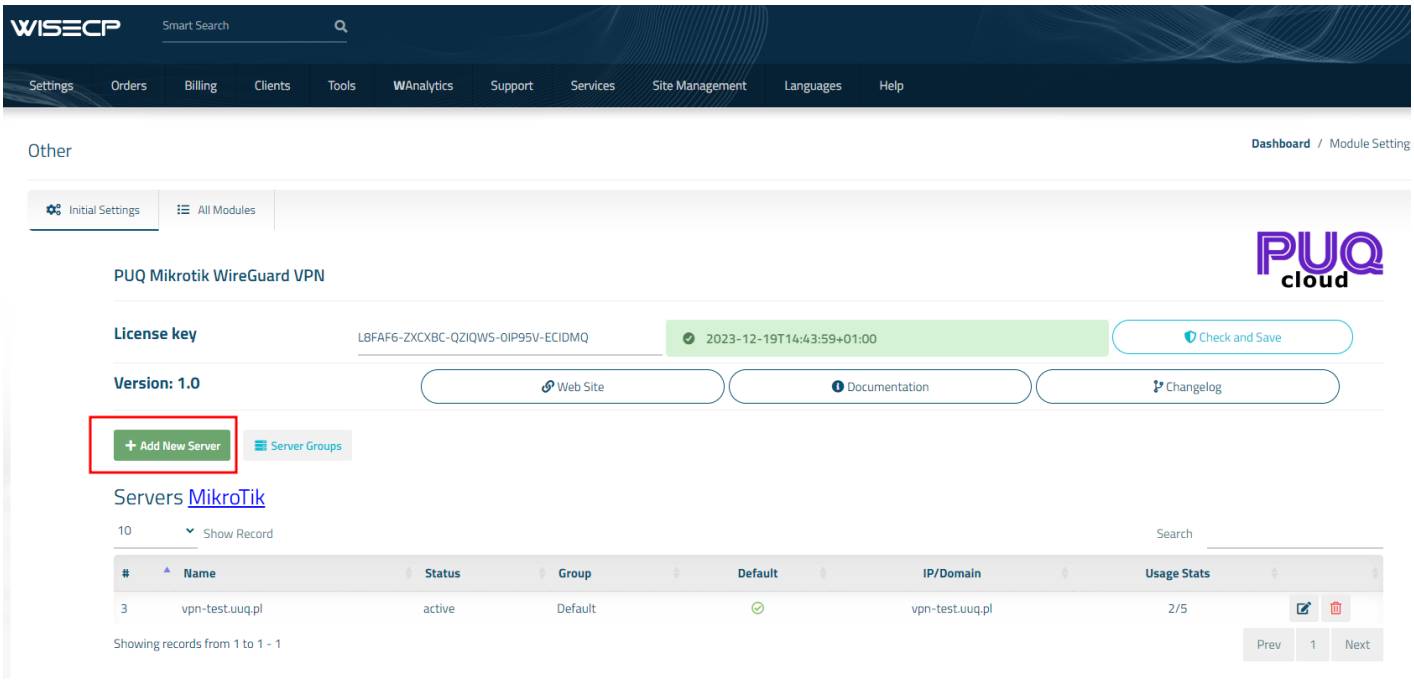








3. In the opened page, click the '**Add Server**' button.



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.
- **DNS 1 and DNS 2**: are DNS servers that will be specified in the configuration of WireGuard clients.
- **Assigned IP Addresses**: a list of IP addresses that will be assigned to WireGuard VPN clients, with each address on a new line.
- **IP Address or Domain**: The address of the MikroTik router you are connecting to.
- **Username:** is the username for the account on MikroTik.
- **Password:** is the password for the account on MikroTik.
- Check the **SSL** box if you want to use SSL-encrypted connection. If necessary, specify the port and perform a connection test.

PUQ Mikrotik WireGuard VPN

PUQ cloud

Go to Back

Add New Server

Name	vpn-test.uuq.pl
Maximum Number of Accounts	122
Server Group	Default
Default	Set as default server in group
DNS 1	77.87.125.10
DNS 2	77.87.125.20
Assigned IP Addresses (One per line)	192.168.88.2 192.168.88.3 192.168.88.10 192.168.88.20 192.168.88.30
IP Address or Domain	vpn-test.uuq.pl
Username	wisecp-dev-MWG
Password	
SSL	Connect using SSL
Port	443 Change standard port
Test Connection	Test Connection

Add New Server

Turn Back

Service/Product configuration

Mikrotik WireGuard VPN module **WISECP**

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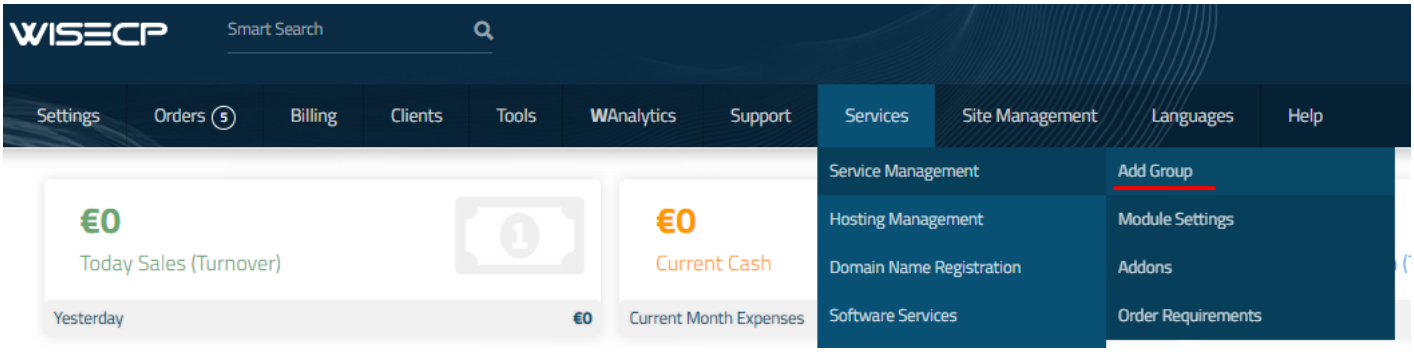
> If you do not have a **Service Group** where you want to place the new service, you need to create a new **Service Group**

1. Log in to the administrative area of your **WISECP**.

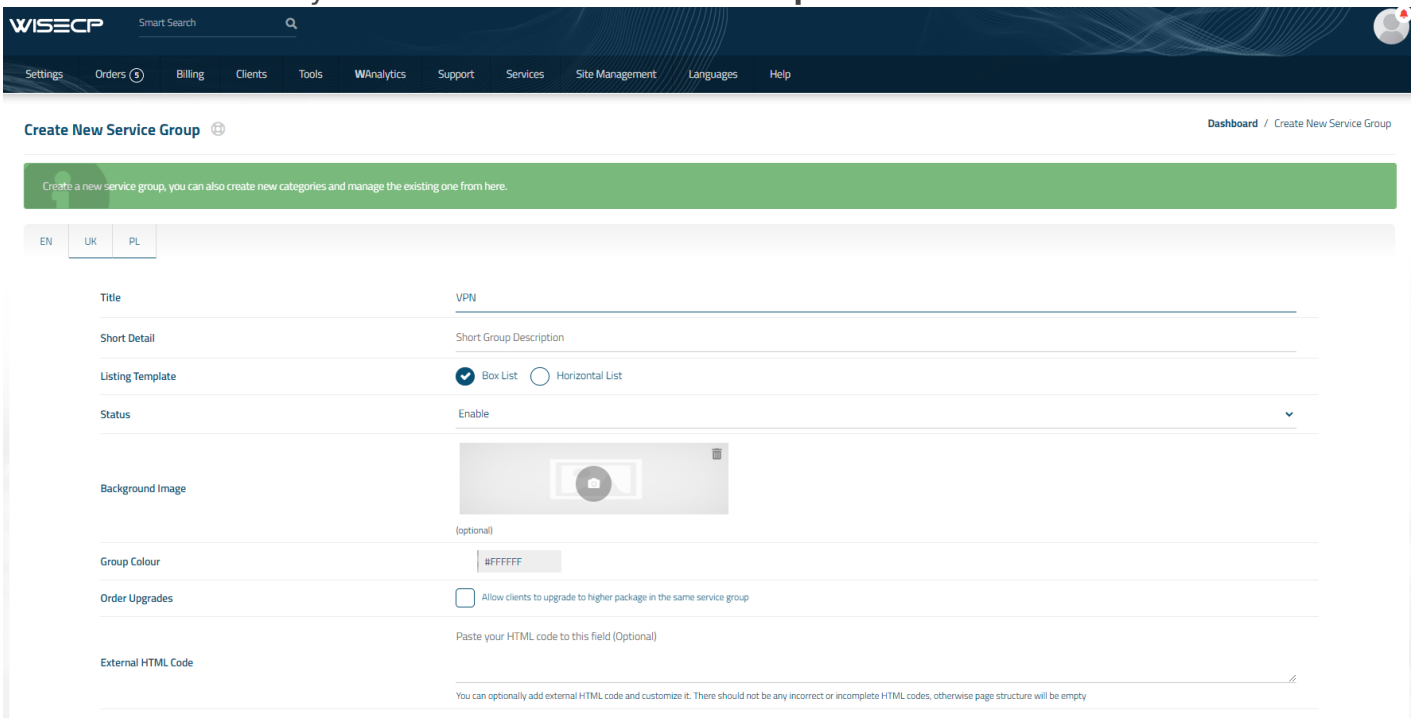
2. Create New Service Group

Go to

```
Services -> Service Management -> Add Group
```



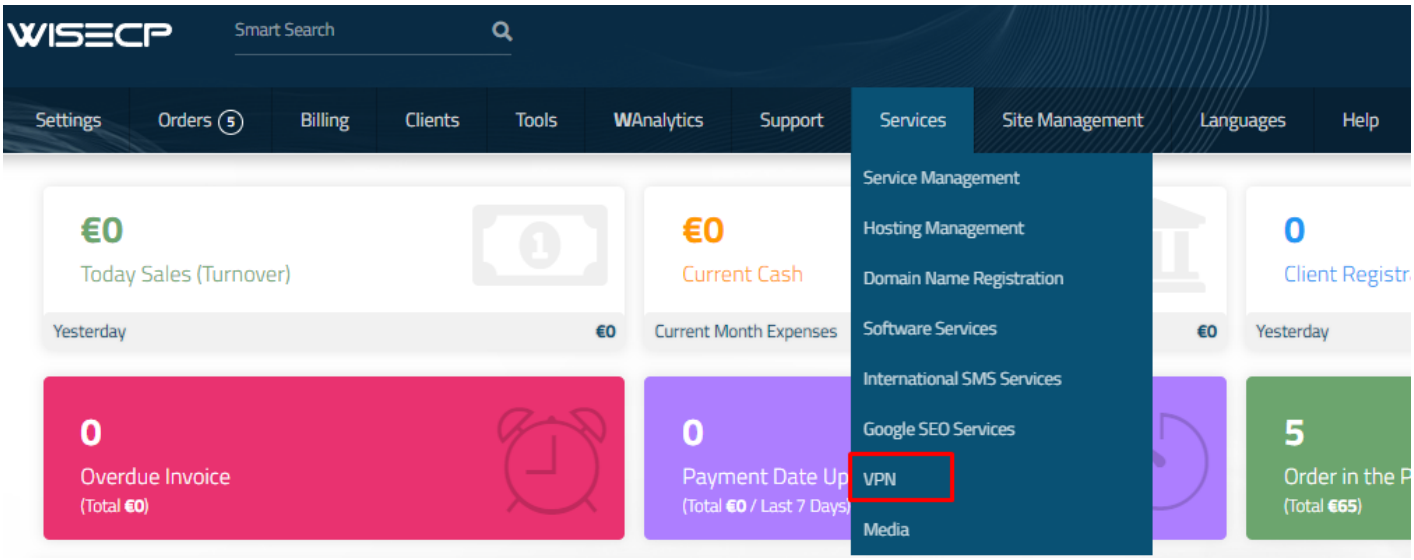
Enter all the necessary data and click the '**Create Group**' button.



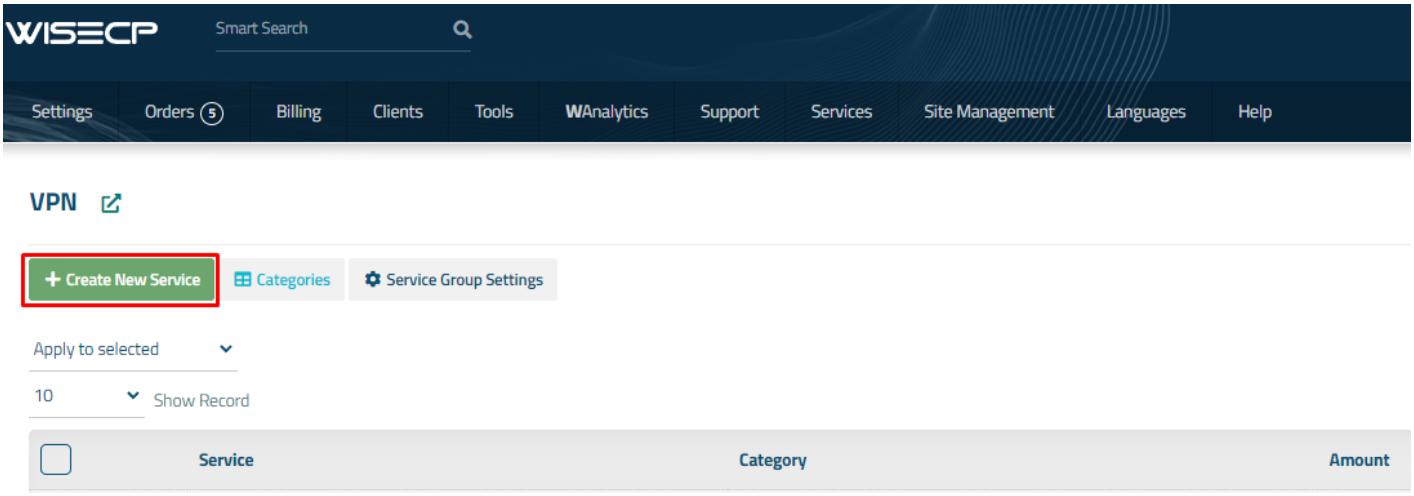
3. Adding a New Service

Go to

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

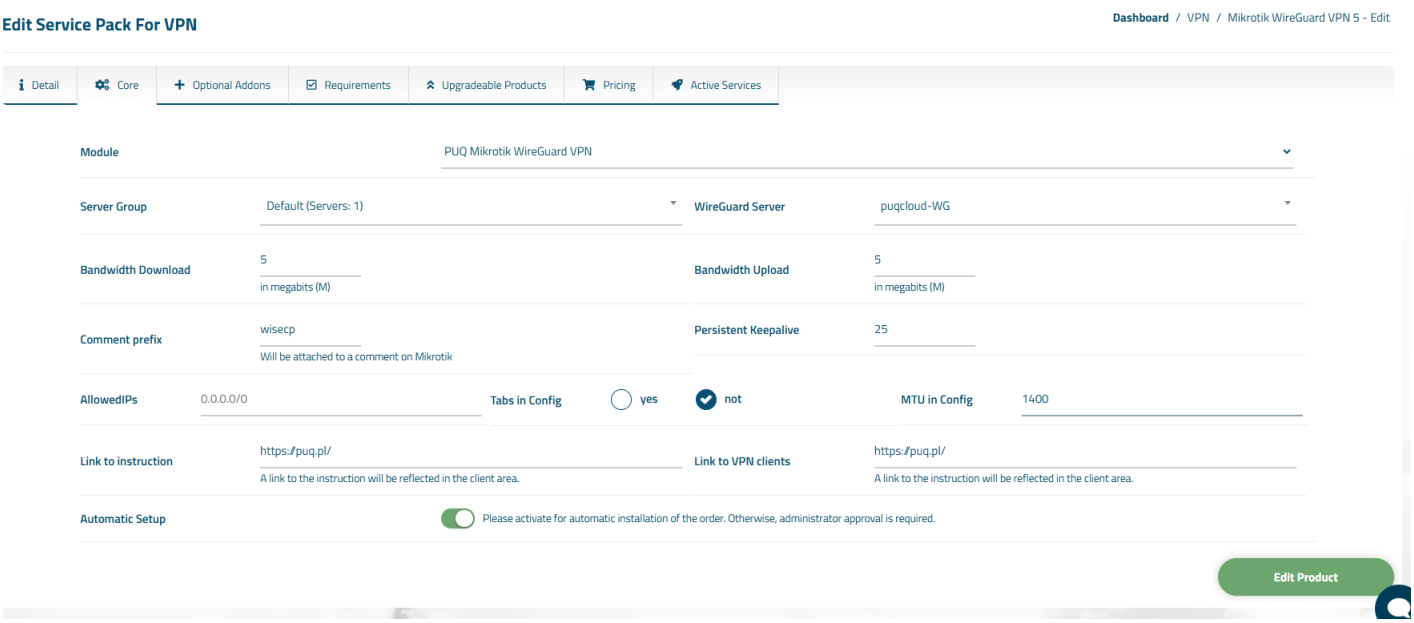


In the opened window, click the '**Create New Service**' button.



On the opened page, enter all the necessary details for your new service and navigate to the '**Core** ' tab.

Select the '**PUQ Mikrotik 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 **MikroTik**

> **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.

- **Comment Prefix** will be added at the comment in **MikroTik**
- **Persistent Keepalive** and **AllowedIPs:** parameters of configuration WireGuard clients
- **Tabs in Config -** Configuration file format with tabs or not
- **MTU in Config -**Display MTU in config file
- **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.