

# Installation and configuration guide

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# Setup (install/update)

## Mikrotik 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-Mikrotik-WireGuard-Business-VPN/php81/PUQ_WISECP-Mikrotik-WireGuard-Business-VPN-latest.zip
```

All versions are available: [https://download.puqcloud.com/WISECP/Product/PUQ\\_WISECP-Mikrotik-WireGuard-Business-VPN/](https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-Mikrotik-WireGuard-Business-VPN/)

### 2. Unzip the archive with the module.

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

3. Copy and Replace "puqMikrotikWireGuardBusinessVPN" from "PUQ\_WISECP-Mikrotik-WireGuard-Business-VPN" to "WISECP\_WEB\_DIR/coremio/modules/Product/"

# License Activation

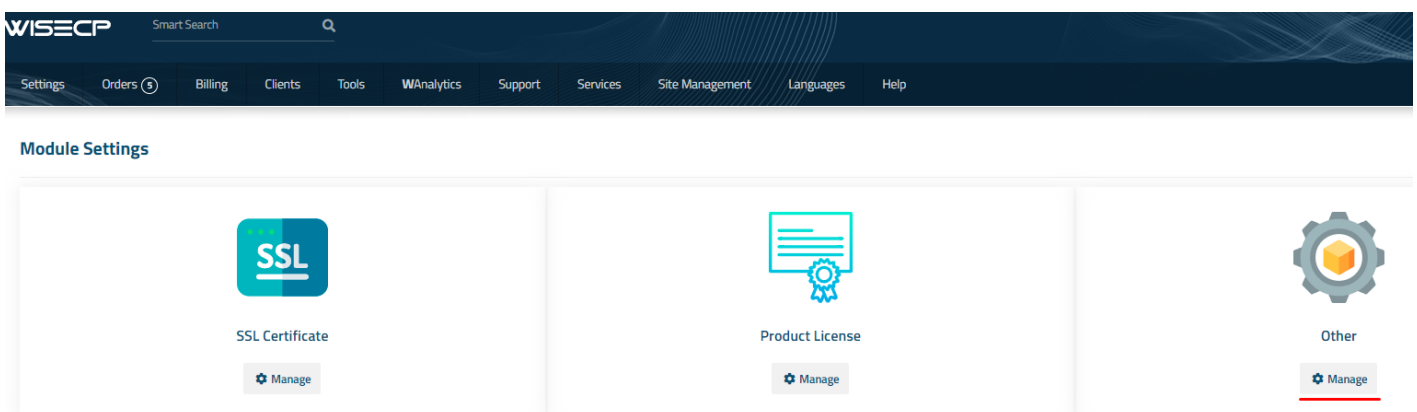
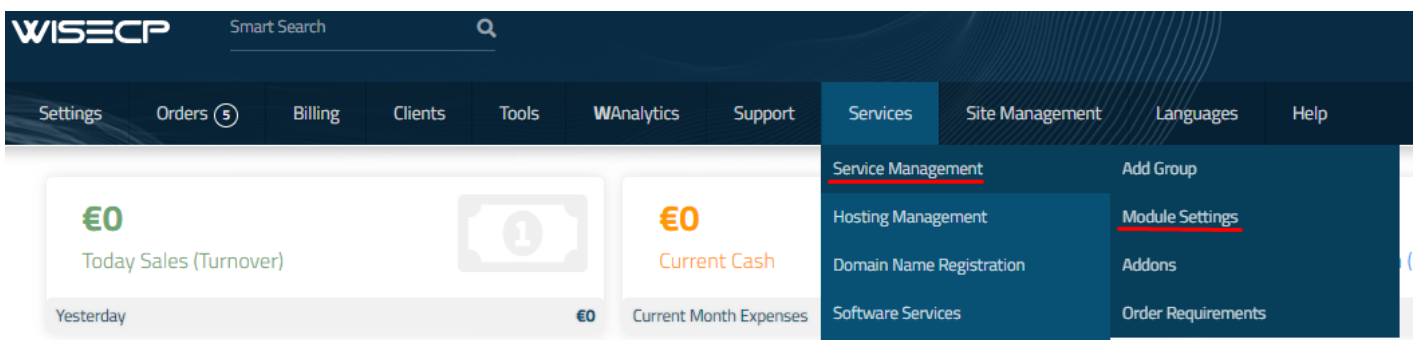
## Mikrotik WireGuard Business-VPN module

**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 Mikrotik WireGuard Business-VPN



Other

Other

Dashboard / Module Settings

Search Within Modules

Write something...

		<u>PUQ Mikrotik WireGuard Business-VPN</u>	

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.



PUQ Mikrotik WireGuard Business-VPN

License key

R1BC6H-XXVXCC-9SFJ98-4PL4GY-YYORKX

2023-12-20T22:17:00+01:00

Check and Save

Version: 1.0

Web Site

Documentation

Changelog

+ Add New Server

Server Groups

Servers [MikroTik](#)

# Mikrotik preparation and configuration

## Mikrotik WireGuard Business-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 address 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
```

# Add server (Mikrotik) in WISECP

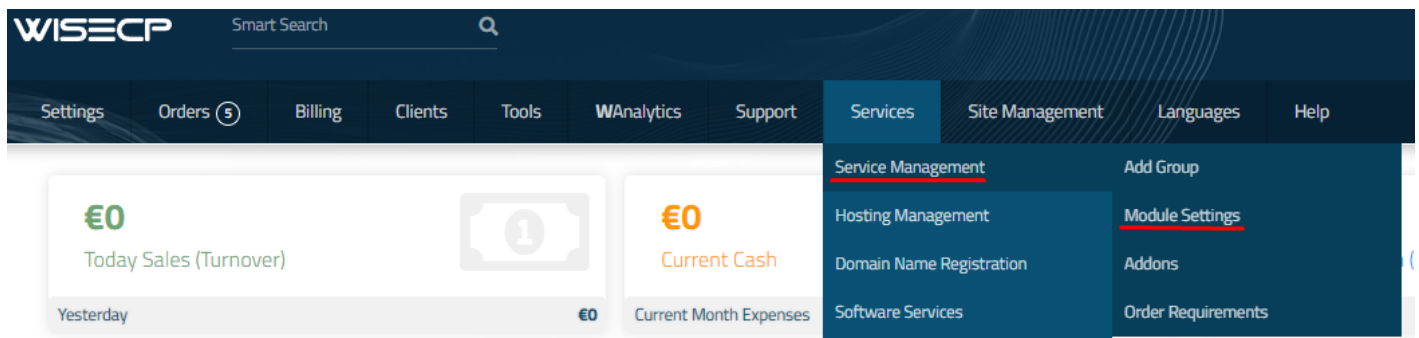
## Mikrotik WireGuard Business-VPN module

**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 Mikrotik WireGuard Business-VPN






WISECP 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

WISECP Smart Search

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

### Other

WISECP Smart Search

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

### Other

Dashboard / Module Settings / C

Initial Settings All Modules

#### Search Within Modules

Write something...

PUQ Mikrotik WireGuard VPN

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

WISSECP Smart Search Q

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

Other Dashboard / Module Setting

Initial Settings All Modules

**PUQ**  
cloud

PUQ Mikrotik WireGuard Business-VPN

License key R1BC6H- -YYQRKX 2023-12-20T22:17:00+01:00 [Check and Save](#)

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

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

Servers [MikroTik](#)

10 Show Record Search

#	Name	Status	Group	Default	IP/Domain	Usage Stats	
2	vpn-test.uuq.pl	active	Default	✓	vpn-test.uuq.pl	1/12	<a href="#">Edit</a> <a href="#">Delete</a>

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.
- **DNS 1 and DNS 2:** are DNS servers that will be specified in the configuration of WireGuard clients.
- **Assigned IP Addresses:** a list of Interface for public IP, Public IP, Private Net that will be assigned to WireGuard VPN clients, with each address on a new line. Format:

```
<interface>| <public_ip>/<mask>| <private_network>/<mask>
```

- **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.

[Go to Back](#)

## Add New Server

Name	vpn-test.uuq.pl
Maximum Number of Accounts	10
Server Group	Default 
Default	<input type="checkbox"/> Set as default server in group
DNS 1	77.87.125.10
DNS 2	77.87.125.20
Assigned IP Addresses <small>(One per line)</small>	<div>ether1-pub 77.87.125.206/25 192.168.101.0/24 ether1-pub 77.87.125.207/25 192.168.102.0/24 ether1-pub 77.87.125.208/25 192.168.103.0/24 ether1-pub 77.87.125.209/25 192.168.104.0/24 ether1-pub 77.87.125.210/25 192.168.105.0/24 ether1-pub 77.87.125.211/25 192.168.106.0/24 ether1-pub 77.87.125.212/25 192.168.107.0/24 ether1-pub 77.87.125.213/25 192.168.108.0/24</div> <div>&lt;interface&gt; &lt;public_ip&gt;/&lt;mask&gt; &lt;private_network&gt;/&lt;mask&gt;</div>
IP Address or Domain	vpn-test.uuq.pl
Username	wisecp-dev-MWG
Password	<div></div>
SSL	<input checked="" type="checkbox"/> Connect using SSL
Port	<div>443</div> <input type="checkbox"/> Change standard port
Test Connection	<div> Test Connection</div>

Add New Server

# Service/Product configuration

## Mikrotik 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, 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, and a dropdown menu is visible with options: Service Management, Hosting Management, Domain Name Registration, Software Services, Add Group (highlighted with a red underline), Module Settings, Addons, and Order Requirements. Below the header, the dashboard features two main widgets: 'Today Sales (Turnover)' showing '€0' for 'Yesterday' and 'Current Month Expenses' showing '€0' 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.' The form has tabs for 'EN', 'UK', and 'PL'. The fields are as follows:

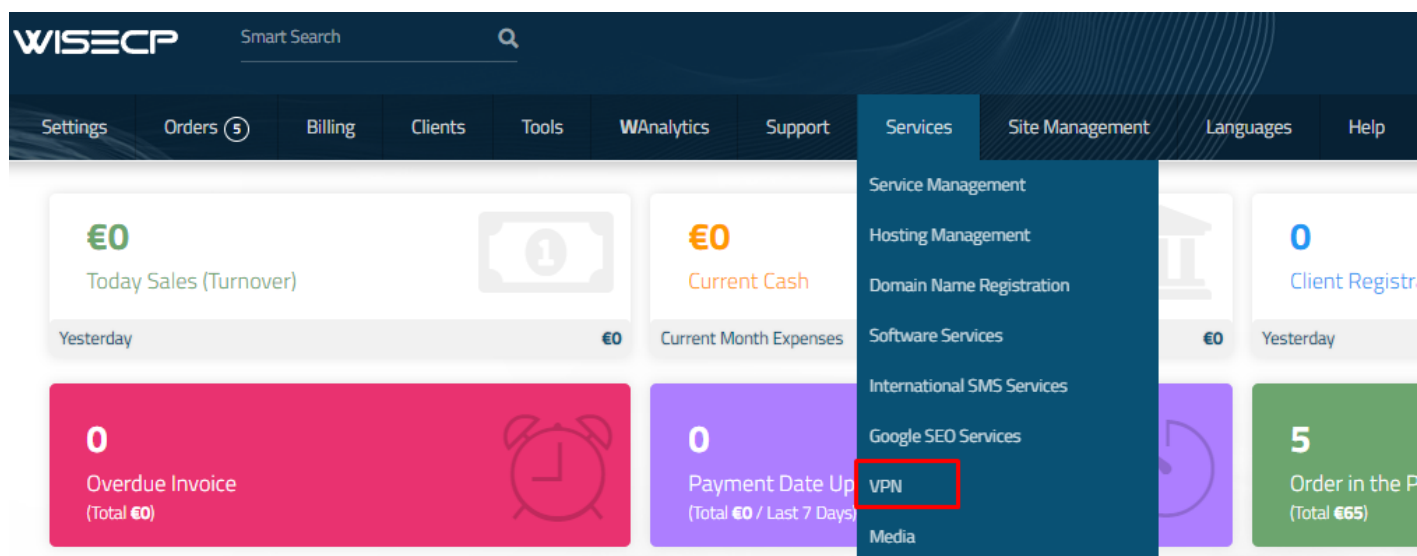
Field	Value
Title	VPN
Short Detail	Short Group Description
Listing Template	<input checked="" type="radio"/> Box List <input type="radio"/> Horizontal List
Status	Enable
Background Image	[Image placeholder]
Group Colour	#FFFFFF
Order Upgrades	<input type="checkbox"/> Allow clients to upgrade to higher package in the same service group
External HTML Code	Paste your HTML code to this field (Optional)

At the bottom, 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.

WISECP Smart Search

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

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

Edit Service Pack For VPN Dashboard / VPN / Mikrotik WireGuard Business-VPN 5 - Edit

i Detail Core + Optional Addons Requirements Upgradeable Products Pricing Active Services

Module PUQ Mikrotik WireGuard Business-VPN

Server Group	Default (Servers: 1)	Number of VPN Accounts	5
Bandwidth Download	5 in megabits (M)	Bandwidth Upload	5 in megabits (M)
Comment prefix	puq-5-	Port forwarding	<input checked="" type="checkbox"/> Enable port forwarding
Internal traffic	<input checked="" type="checkbox"/> Allow internal traffic	NAT rules on public ip	<input checked="" type="checkbox"/> The module will automatically make firewall rules that will make NAT
Firewall Drop Rules	<input checked="" type="checkbox"/> The module automatically creates firewall rules that will drop traffic between VPN client accounts and other private networks on the router	Persistent Keepalive	25
Interface MTU	1420	Allowed IPs	0.0.0.0/0
Link to instruction	https://puq.pl/ A link to the instruction will be reflected in the client area.	Link to VPN clients	https://puq.pl/ A link to the instruction will be reflected in the client area.
Automatic Setup	<input checked="" type="checkbox"/> 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.
- **Comment Prefix** will be added at the comment in **MikroTik**
- **Port Forwarding:** If the checkbox is selected, it means the client will have the ability to redirect ports from the main public address to internal addresses.
- **Internal Traffic:** If the checkbox is selected, it indicates that internal traffic between

VPN clients of the client will be allowed.

- **NAT Rules on Public IP:** If the checkbox is selected, firewall rules, specifically NAT (Network Address Translation) to the public IP address, will be created during the service deployment.
- **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