

# 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 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

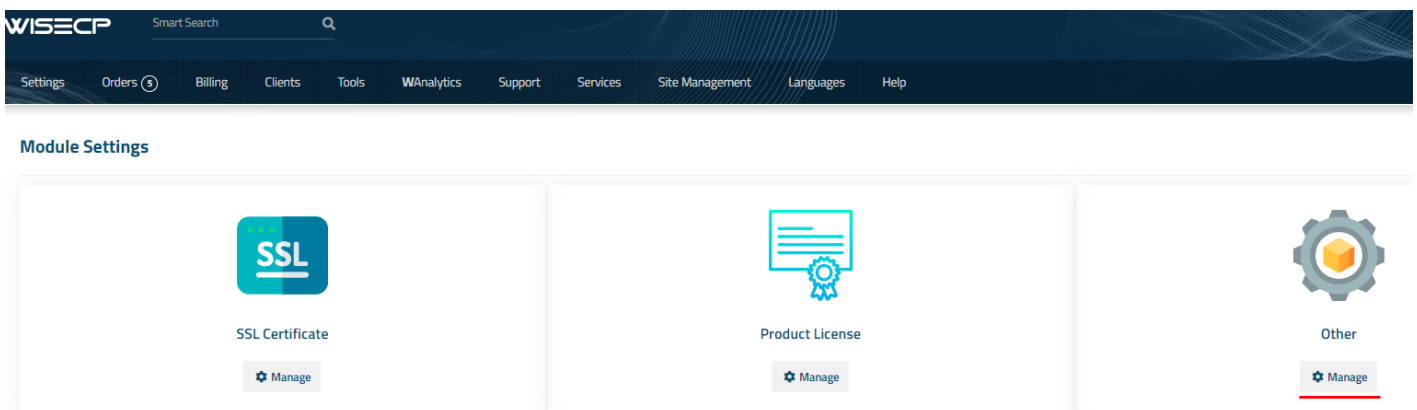
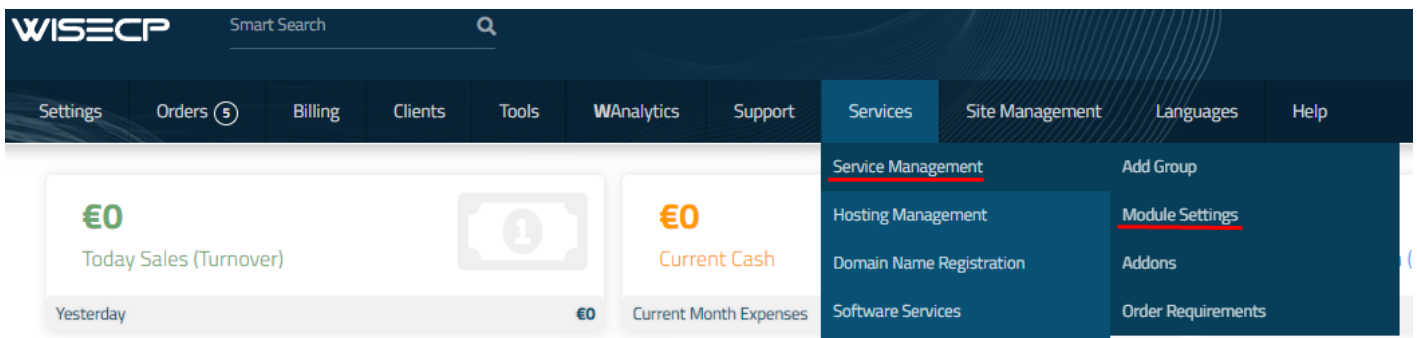
## Mikrotik WireGuard Business-VPN module

**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

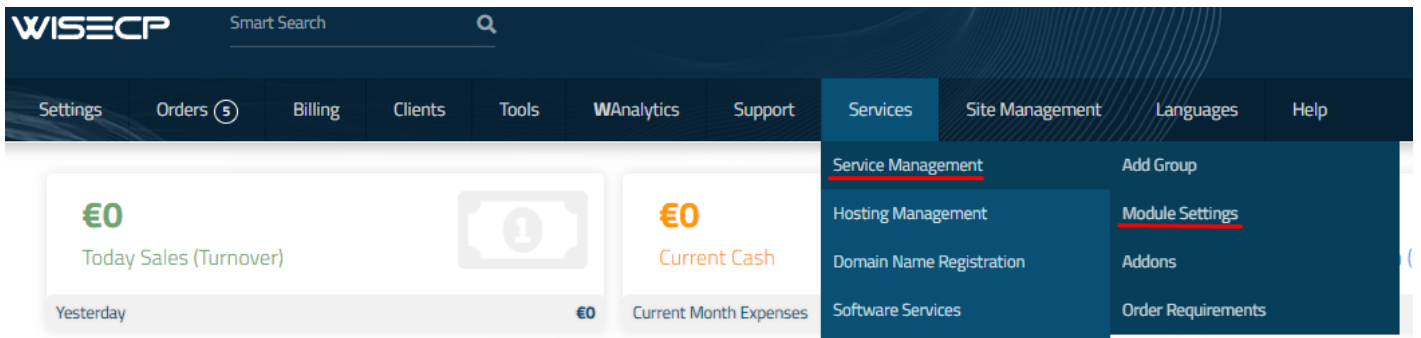
## Mikrotik WireGuard Business-VPN module

**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



Initial Settings




All Modules

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**

[Order now](#) | [Download](#) | [FAQ](#)

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.

	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

☒ Enable port forwarding

Internal traffic

☒ Allow internal traffic

NAT rules on public ip

☒ The module will automatically make firewall rules that will make NAT

Firewall Drop Rules

☒ 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

AllowedIPs

0.0.0.0/0

Link to instruction

https://puq.pl/

Link to VPN clients

https://puq.pl/

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.
- **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