Installation and configuration guide

- WHMCS setup(install/update)
- PUQVPNCP installation and configuration
- Add server (PUQVPNCP) in WHMCS
- Product Configuration

WHMCS setup(install/update)

WireGuard Business-VPN module **WHMCS**

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> **Module is coded ionCube v13**

Supported php version:

- php 7.4 WHMCS 8.11.0 -
- php 8.1 WHMCS 8.11.0 +
- php 8.2 WHMCS 8.11.0 +

> To install and update a module, you must perform one and the same action.

1. Download the latest version of the module.

PHP 8.2

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php82/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php81/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/php74/PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

All versions are available: https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-WireGuard-Business-VPN/

2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-WireGuard-Business-VPN-latest.zip
```

3. Copy and Replace "puqWireGuardBusinessVPN" to "WHMCS_WEB_DIR/modules/servers/"

PUQVPNCP installation and configuration

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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/

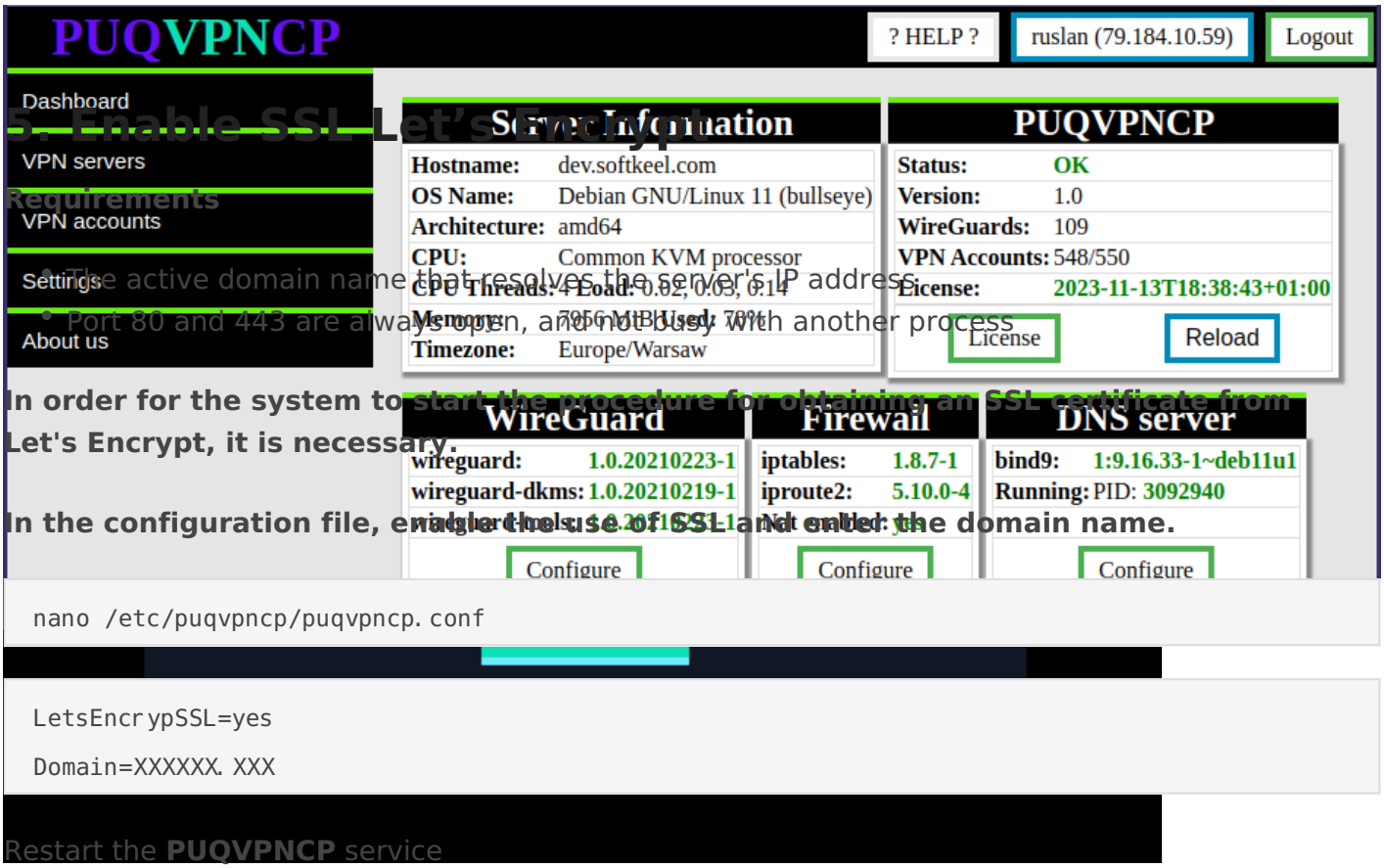
3. Install the puqvpncp package

```
wget https://download.puqcloud.com/cp/puqvpncp/puqvpncp_1.6.1_amd64.deb
dpkg -i puqvpncp_1.6.1_amd64.deb
```

4. After installation, connect to your server via a web

browser.

http://SERVER_IP:8098
Username: admin
Password: admin



5. Enable SSL Let's Encrypt

Requirements

- The active domain name that resolves the server's IP address.
- Port 80 and 443 are always open, and not busy with another process

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

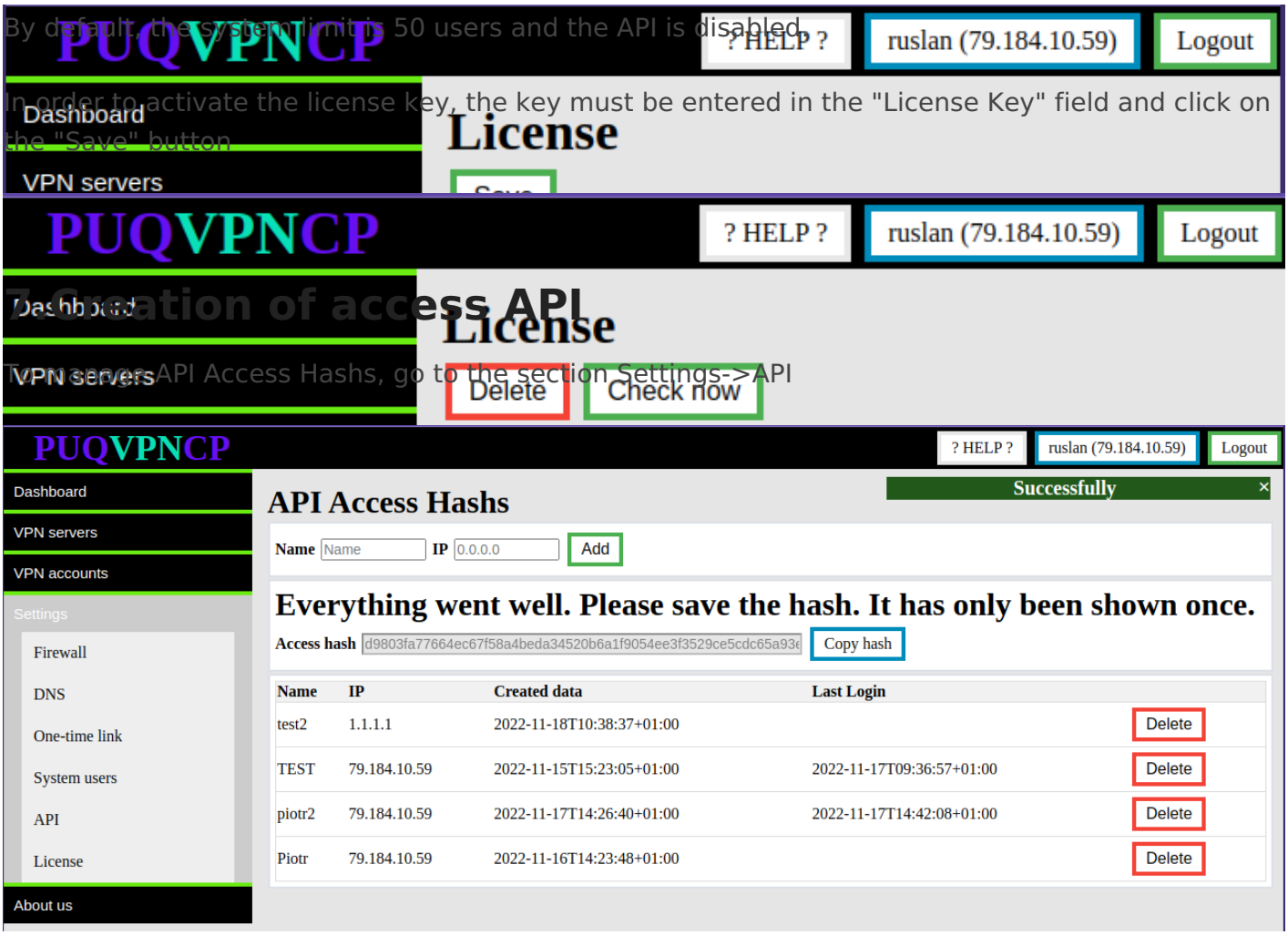
```
service puqvpncp restart
```

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**



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.

Add server (PUQVPNCP) in WHMCS

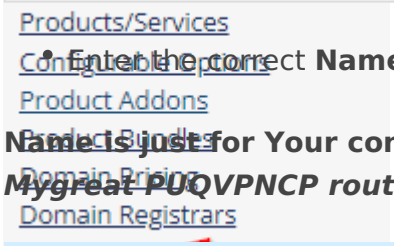
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Add a new server to the system WHMCS.

Login to Your WHMCS panel and create new server in WHMCS (*System Settings->Products/Services->Servers*)

```
System Settings->Servers->Add New Server
```

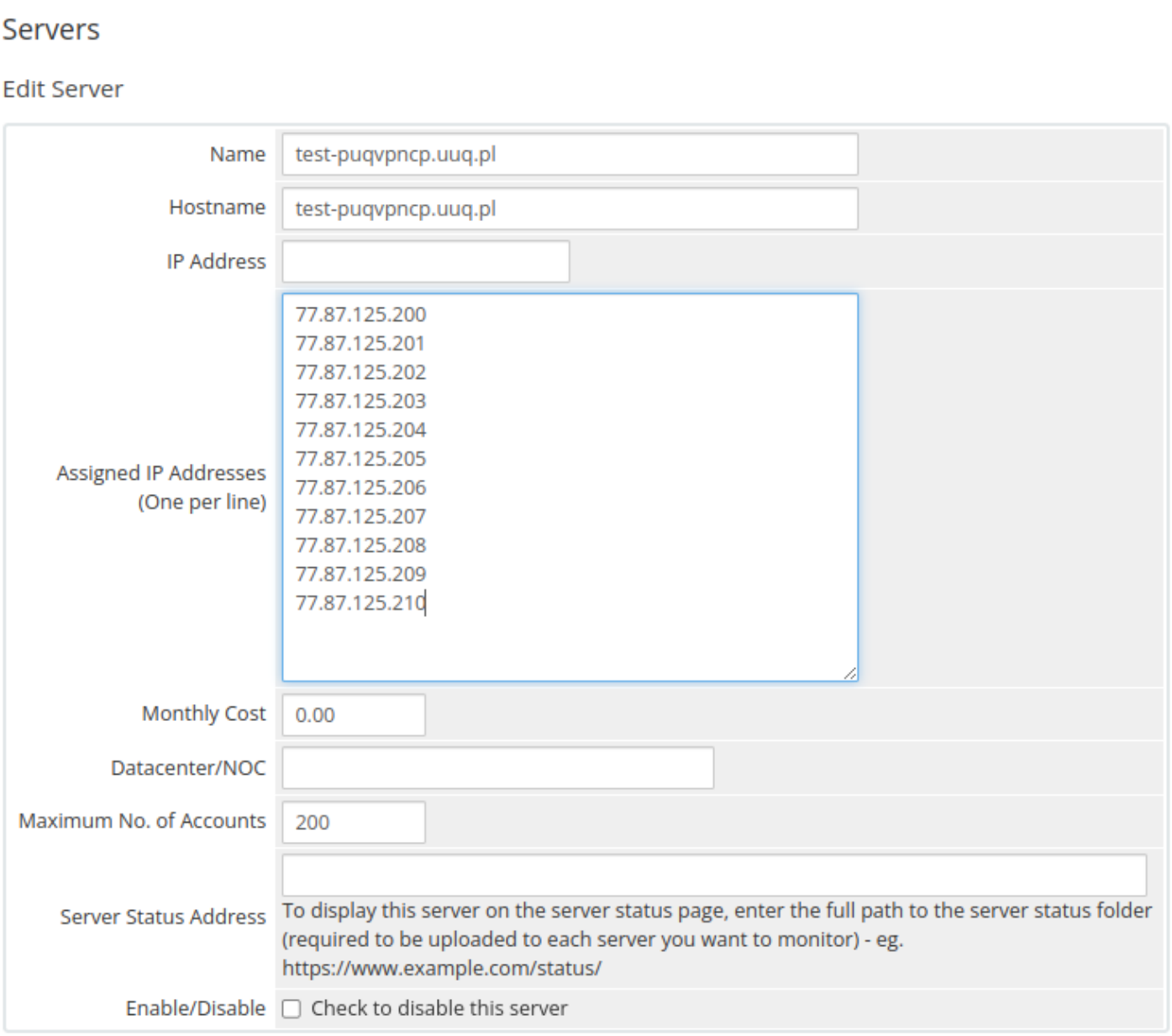


- Enter the correct **Name** and **Hostname**

Name is just for Your convenience and You can put there anything You like ie: ***Mygreat PUQVPNCP routr***

You can choose whatever hostname You want. Valid entries look similar to: vpn.mydomain.com, ourgreatvpn.mydomain.net. You can also dedicate whole domain ie: myVPNservices.com if You like. The important thing is to resolve the choosen IP address of the PUQVPNCP in DNS server for Your domain.

- In the **"Assigned IP Addresses field"**, enter a list of IP addresses that will be issued to users.



Enter the correct data in the Access Hash field

- In the **Server Details** section, select the "**PUQ WireGuard Business-VPN**" module and enter the correct API Access Hash.
- To check, click the **"Test connection"** button

Server Details

Module	PUQ WireGuard Business-VPN  Test Connection ✔ Connection successful. Some values have been auto-filled.
Username	
Password	
Access Hash	77f3f27245dfe2e27791295846bee745b8217741e8f0363b6c027d06a236b dbeec04651fcadccfd2
Secure	☑ Check to use SSL Mode for Connections
Port	443 ☐ Override with Custom Port

Product Configuration

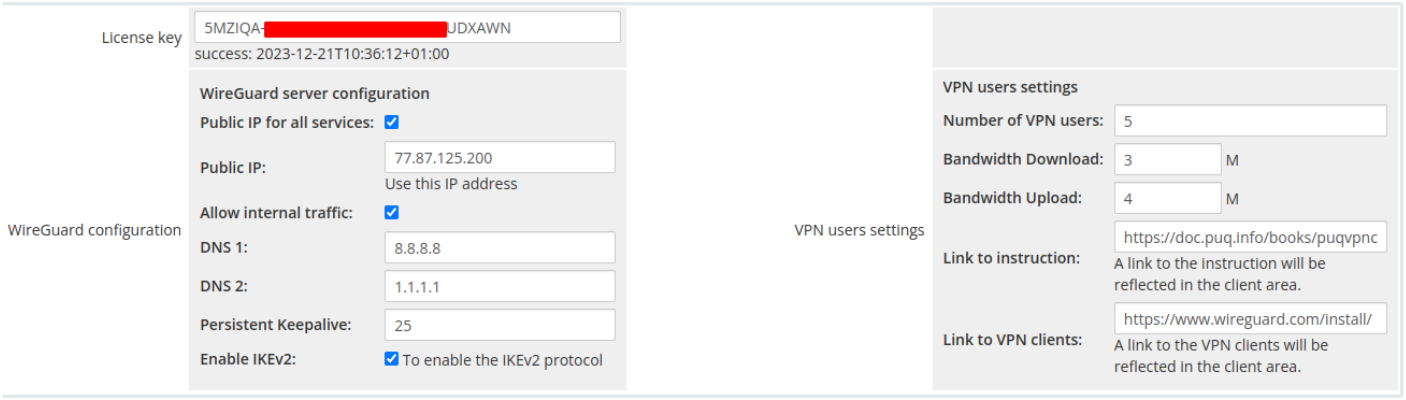
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Add new product to WHMCS

```
System Settings->Products/Services->Create a New Product
```

In the **Module settings** section, select the **"PUQ WireGuard Business-VPN"** module



- **License key:** A pre-purchased license key for the **"PUQ WireGuard Business-VPN"** module. For the module to work correctly, the key must be active

WireGuard configuration

- **Public IP for all services -** If you want to assign one public IP address to all services (IP must be configured on the **PUQVPNCP** server)
- **Public IP -** If you want to assign one public IP address to all services (IP must be configured on the **PUQVPNCP** server)
- **Allow internal traffic-** If you want to enable traffic exchange between VPN clients **(package change)**
- **DNS1, DNS2 -** DNS servers if they differ from the configuration in the **PUQVPNCP** panel **(package change)**

VPN users settings

- **Number of VPN users -** Number of vpn accounts per service **(package change)**
- **Bandwidth Download** - Bandwidth Download of VPN accounts **(package change)**
- **Bandwidth Upload-** BandwidthUpload of VPN accounts **(package change)**
- **Link to instruction-** If you have prepared instructions for your customers on how to use the service, then a link to the instructions is provided here (If filled, it will be shown in the client area)
- **Link to VPN clients-** Link to download the VPN client. For example https://www.wireguard.com/install/ (If filled, it will be shown in the client area)
- **Persistent Keepalive-** sets the Keepalive parameter in the WireGuard server client configuration **(package change)**
- **Enable IKEv2-** Enable IKEv2 protocol support **(package change)**