

Setup guide — PUQVPNCP panel

PUQVPNCP module **WHMCS**

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Before you can connect WHMCS, you need a running PUQVPNCP panel, an **API token** that WHMCS will use for every operation, and at least one **VPN network** with the protocols you want to expose enabled. This page walks through both.

1. Panel reachability

- The panel must be reachable from the WHMCS server over the network.
 - HTTPS is strongly recommended. If you use a self-signed certificate, remember that SSL verification is enabled when the **Secure** checkbox is ticked on the WHMCS server record — use a publicly trusted certificate, or place the panel behind a reverse-proxy with one.
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2. Issue an API token

The module authenticates to the panel with a **Bearer token** issued from the admin's profile page.

Step 1 — Open Profile

Click your username in the top-right corner of the panel and select **Profile**.

Step 2 — Open the API Tokens section

Scroll down to the **API Tokens** card. Click the green + button on the right to create a new token.

The screenshot shows the 'Profile' page in the PUQVPNCP interface. The 'User' section contains fields for Username (admin), Password (Leave empty to keep current), and E-mail (admin@localhost). The 'Permissions' section shows the user is in the 'admin' group with 'Full access (all permissions)'. The 'API Tokens' section is expanded, showing a table of existing tokens.

Name	IP	Created	Last used	Expires
789787889	any	2026-03-18 19:57:37	2026-03-20 23:33:29	never
Biasness_ihostmi	77.87.125.13	2023-06-05 12:04:21	never	never
Biasness_ihostmi_1	77.87.125.13	2023-06-05 12:04:21	never	never
claude	any	2026-03-03 18:48:02	2026-03-22 23:00:37	never
ddd	2a02:a311:4041:200:8f7:77ff:bc0a:1655	2023-06-25 20:28:23	never	never
ddd_1	2a02:a311:4041:200:8f7:77ff:bc0a:1655	2023-06-25 20:28:23	never	never

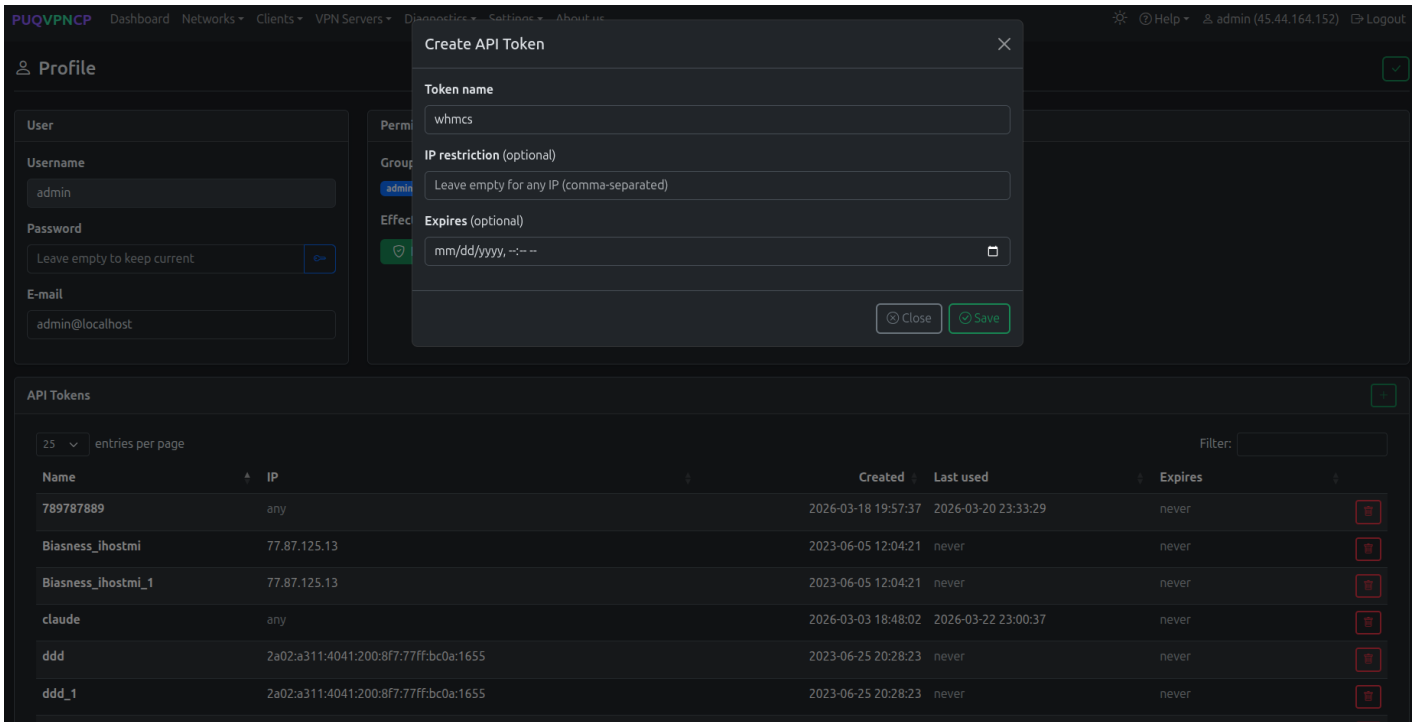
27-puqvpncp-profile-tokens.png

Step 3 — Create the token

Fill in the modal:

- **Token name** — a label that identifies the consumer, e.g. `whmcs`.
- **IP restriction** (*optional*) — a comma-separated list of IPs allowed to use this token. Leave empty to accept the token from any IP, or set it to your WHMCS server's IP for tighter security.
- **Expires** (*optional*) — an expiration date. Leave empty for a non-expiring token.

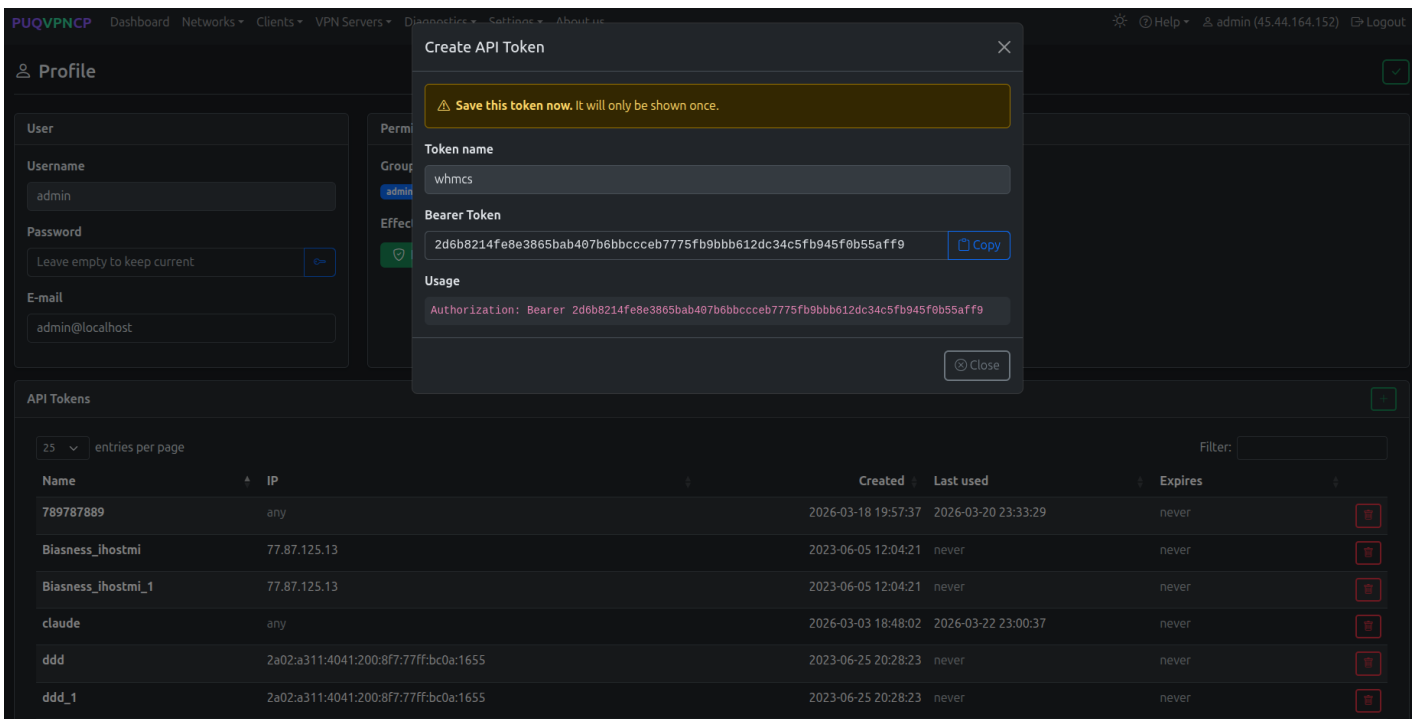
Click **Save**.



28-puqvpncp-token-create.png

Step 4 — Copy the Bearer token

The next dialog shows the **Bearer Token**. Click **Copy** and store it somewhere safe — **the token is shown only once and cannot be retrieved later**. If you lose it, delete the token and generate a new one.



29-puqvpncp-token-bearer.png

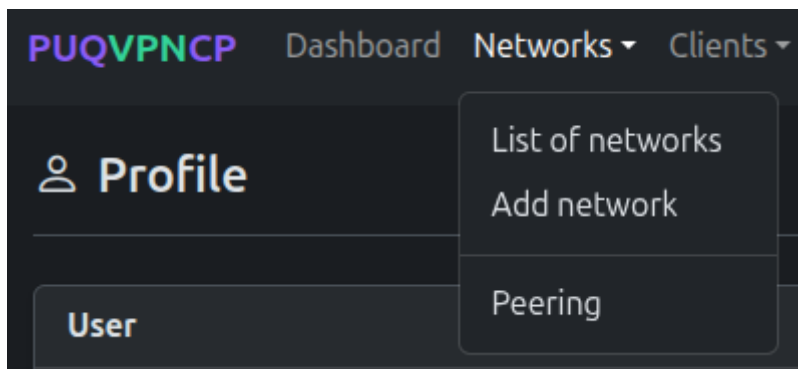
“ The token grants the user's **effective permissions** — the `admin` group used in the screenshot has full access. For tighter control, create a dedicated user/permission group on the panel and issue a token for that user instead.

You will paste this token into the **Password** field of the WHMCS server record — see [Add server](#).

3. Create a VPN network

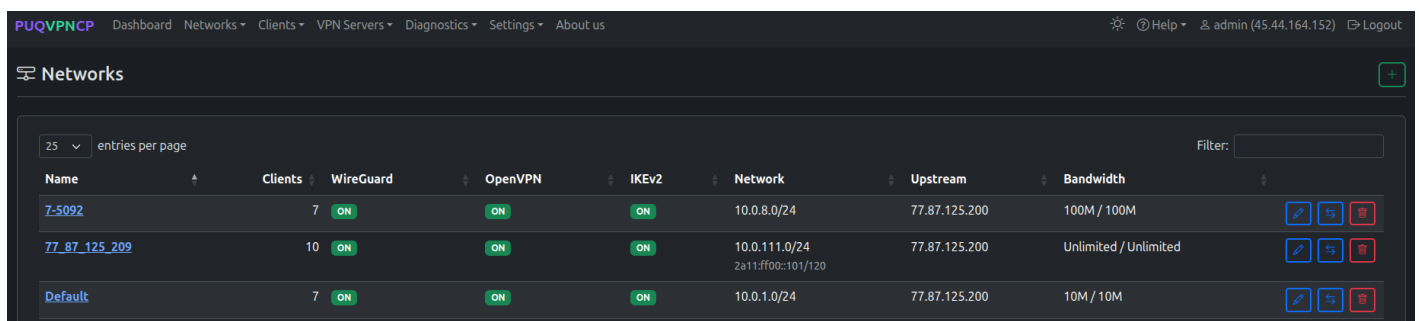
The module needs at least one VPN network on the panel. On the WHMCS product configuration page, every available network is listed as a tickable `server → network` pair.

Step 1 — Open the Networks list



30-puqvpncp-networks-menu.png

The list shows every existing network with the status of WireGuard / OpenVPN / IKEv2, the IPv4 subnet, the upstream interface and the bandwidth caps.

A screenshot of the PUQVPNCPC 'Networks' page. It shows a table with columns for Name, Clients, WireGuard, OpenVPN, IKEv2, Network, Upstream, and Bandwidth. There are three rows of network data. The top row is '7-5092' with 7 clients, WireGuard ON, OpenVPN ON, IKEv2 ON, Network 10.0.8.0/24, Upstream 77.87.125.200, and Bandwidth 100M / 100M. The middle row is '77.87.125.209' with 10 clients, WireGuard ON, OpenVPN ON, IKEv2 ON, Network 10.0.111.0/24 (2a11:ff00::101/120), Upstream 77.87.125.200, and Bandwidth Unlimited / Unlimited. The bottom row is 'Default' with 7 clients, WireGuard ON, OpenVPN ON, IKEv2 ON, Network 10.0.1.0/24, Upstream 77.87.125.200, and Bandwidth 10M / 10M. Each row has edit, add, and delete icons.

31-puqvpncp-networks-list.png

Step 2 — Add a network

Click the green + button in the top-right corner of the Networks page. Fill the **Create** form:

- **Name** — internal identifier of the network (used in the WHMCS product configuration).
- **Description** (*optional*) — human-readable note.
- **Subnet (IPv4 CIDR)** — VPN subnet that will be assigned to clients (e.g. `10.0.6.0/24`).
- **WireGuard IP / OpenVPN IP / IKEv2 IP** — gateway addresses for each protocol inside the subnet.
- **Upstream** — the host network interface used as the egress for this VPN network.
- **VPN Domain** (*optional*) — overrides the global VPN Domain in all client configs for this network.
- **DNS 1 / DNS 2** — DNS servers pushed to clients.
- **Bandwidth Download / Upload** — network-wide caps in Mbit/s (`0` = unlimited).
- **Disable NAT** — leave unchecked unless you route the VPN subnet upstream yourself.

Click the green ✓ in the top-right to save. Protocols (WireGuard / OpenVPN / IKEv2) are configured **after** the network is created.

Networks / Create

Network

Name
Default_4

Description

Subnet (IPv4 CIDR)
10.0.6.0/24

WireGuard IP
10.0.6.1

OpenVPN IP
10.0.6.254

IKEv2 IP
10.0.6.253

Upstream
77.87.125.200 (ens18) ★

VPN Domain
vpn.example.com
Overrides global VPN Domain for this network. Used in all protocol client configs.

DNS 1
10.0.6.1

DNS 2
77.87.125.200

Bandwidth Download (Mbit, 0=unlimited)
0

Bandwidth Upload (Mbit, 0=unlimited)
0

Disable NAT

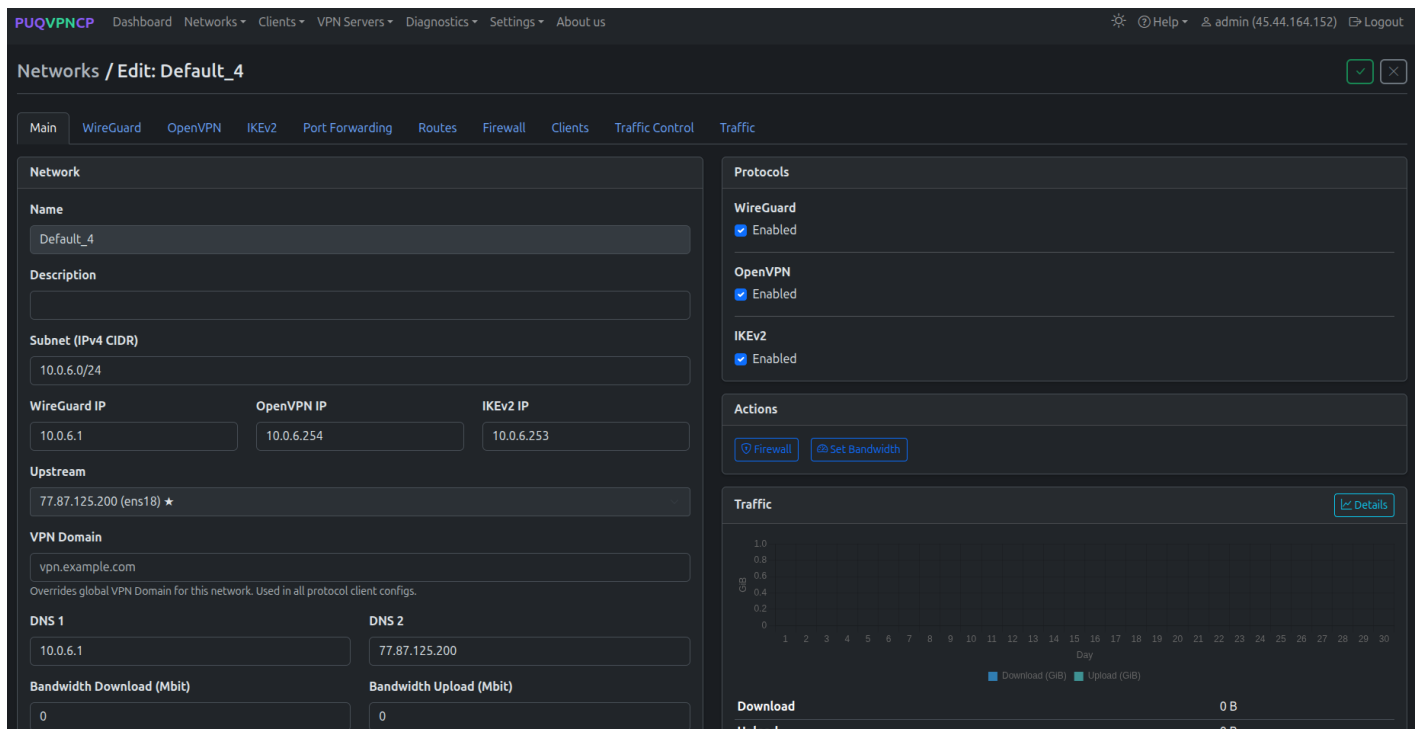
Protocols (WireGuard, OpenVPN, IKEv2) can be configured after creating the network.

32-puqvpncp-network-create.png

Step 3 — Enable protocols on the network

After saving, you land on the network's **Edit** page with a row of tabs (Main / WireGuard / OpenVPN/ IKEv2 / Port Forwarding / Routes / Firewall / Clients / Traffic Control / Traffic) and a **Protocols** card on the right.

Tick **Enabled** for every protocol you want to offer to customers via WHMCS. The WHMCS module reads this state from `[GET /api/v1/network/{name}]` — disabled protocols are hidden in the client area and shown greyed-out (with a tooltip) in the admin service tab.



33-puqvpncp-network-edit-protocols.png

Open each protocol-specific tab (**WireGuard**, **OpenVPN**, **IKEv2**) to fine-tune ports, ciphers, MTU and other parameters as needed. Defaults are sensible for most deployments.

What's next

- Add the panel to WHMCS — see [Add server](#).
- Configure a WHMCS product backed by this panel — see [Product configuration](#).

Revision #2

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