

PUQVPNCP WHMCS module

WHMCS module for automated provisioning and lifecycle management of VPN client accounts on the PUQVPNCP panel. Supports WireGuard, OpenVPN and IKEv2, per-client bandwidth limits, location-based server groups, traffic statistics and one-time self-service links.

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Description

PUQVPNCP module **WHMCS**

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PUQVPNCP WHMCS module

The PUQVPNCP WHMCS module is a provisioning module that integrates WHMCS with PUQVPNCP panels, enabling service providers to offer multi-protocol VPN accounts (WireGuard, OpenVPN, IKEv2) to their customers. The module automates the full lifecycle of VPN client management through the PUQVPNCP REST API.

Main features

- **Automatic VPN client provisioning** — creates the client on the chosen PUQVPNCP panel on service activation
- **Account lifecycle management** — create, suspend, unsuspend, terminate and change-package operations
- **Multi-protocol support** — WireGuard, OpenVPN and IKEv2, with protocol availability detected automatically
- **Configuration delivery** — WireGuard `[.conf]` + QR code, OpenVPN `[.ovpn]` profile and IKEv2 profile, all with Copy/Download buttons in the client area
- **Per-client bandwidth limits** — configure download/upload caps (Mbit/s) per product; `[0]` means unlimited
- **Speed tiers in one click** — auto-create WHMCS Configurable Options for download/upload speed (Unlimited → 1000 Mbit/s); customers pick their tier at checkout and upgrade/downgrade anytime, with the new speed applied automatically
- **Welcome email with configs** — optionally email the client their connection details, WireGuard config and QR code the instant the account is provisioned; admins can re-send on demand
- **Flexible network selection** — pick one or more VPN networks per product; the module iterates them at provisioning time and uses the first one with a free IP
- **Traffic statistics** — monthly chart (download/upload per day) with totals, powered by

the panel API

- **One-time self-service link (OTL)** — generate a single-use URL that hands the customer every protocol config, QR code and credential on a page that opens only once
- **Admin insight** — service admin tab shows API connection status, remote client state, bandwidth and resolved location
- **License verification** — built-in license system with online/offline verification and admin alerts

System requirements

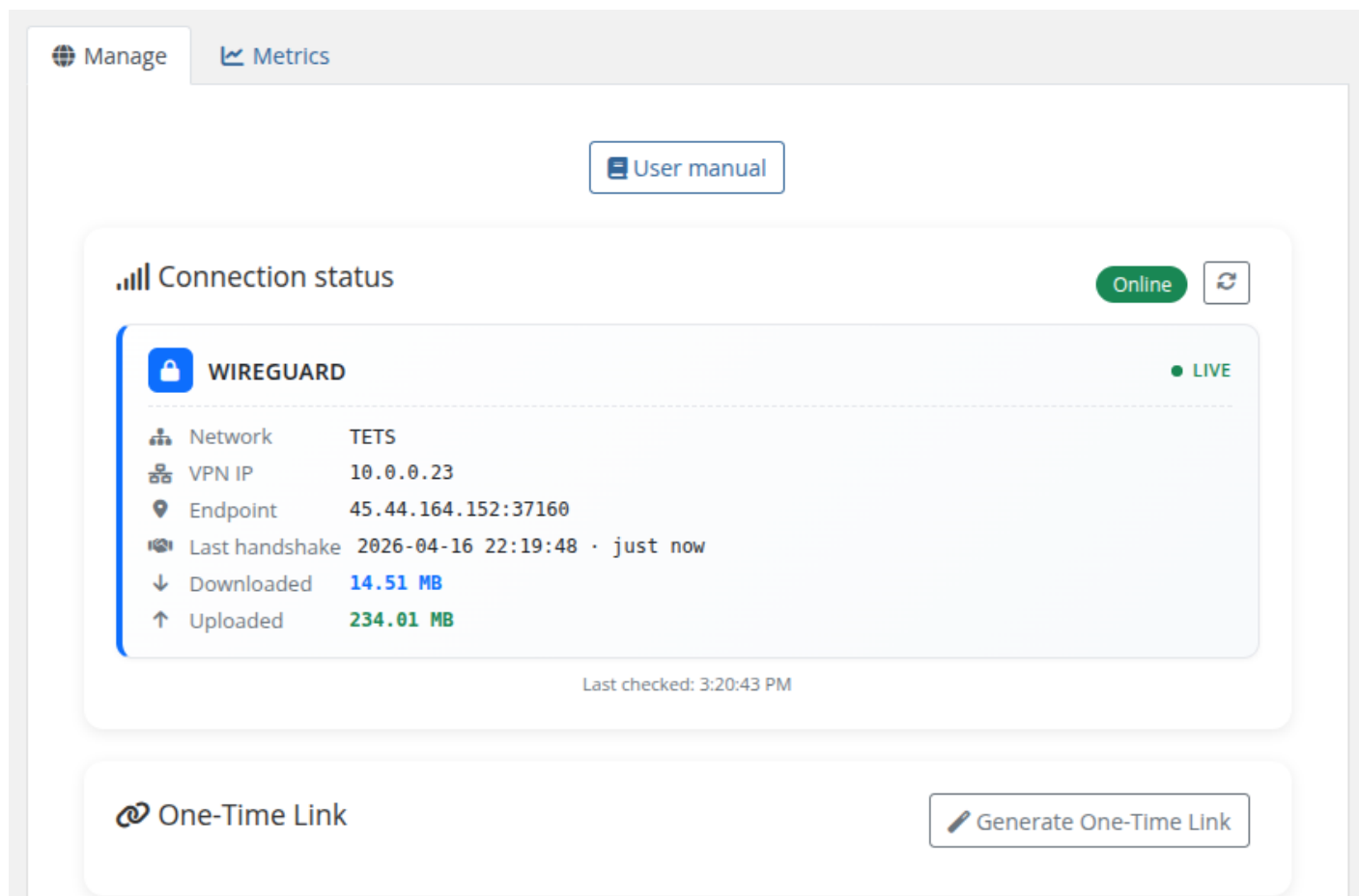
Requirement	Minimum
WHMCS	9.x or higher
PHP	8.2 or higher
PUQVPNCP panel	current
ionCube Loader	v13 or newer (v14, v15)

Links

- **Product page:** <https://puqcloud.com/whmcs-module-puqvpncp.php>
- **PUQVPNCP panel:** <https://puqvpncp.com/>
- **Documentation:** <https://doc.puq.info/books/puqvpncp-whmcs-module>
- **Support:** <https://puqcloud.com/submitticket.php>
- **Community:** <https://community.puqcloud.com/>

Screenshots

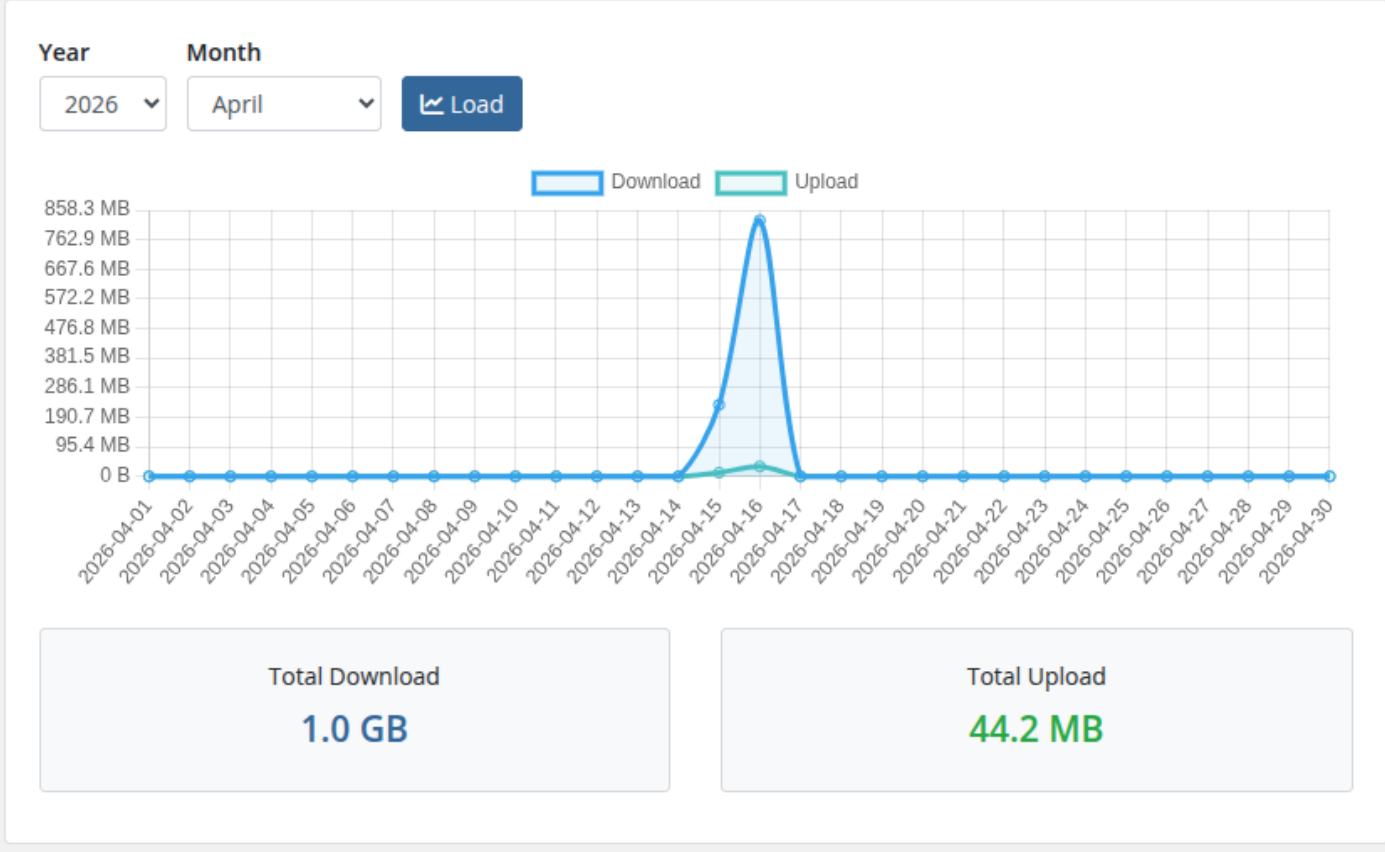
Client area — Home screen



01-description-client-area.png

Client area — Traffic statistics

Traffic statistics



02-description-traffic-stats.png

Admin area — Product information

SummaryProfileUsersContactsProducts/ServicesDomainsBillable ItemsInvoicesQuotesTransactionsTicketsEmailsNotes (0)Log

vpn1Go+ New AddonMore

Order # 1255 - View Order

Product/Servicevpn1

Servernew-dev.puqvpncp.com (2/200 Accounts)

Domain

Dedicated IP10.0.0.23

Usernamevpn-1-5547-ifxt

Password\$%HTW4H2a3

StatusActive

Registration Date15/04/2026

Quantity1

First Payment Amount0.00

Recurring Amount0.00

Next Due DateN/A

Termination Date

Billing CycleFree

Payment MethodPayPal

Promotion CodeNone

CreateSuspendUnsuspendTerminateChange Package

Online

Last checked: 3:35:25 PM

WIREGUARD network: TETS ip: 10.0.0.23 endpoint: 45.44.564.152:37160 latest_handshake: 2026-04-16 22:33:51 transfer_rx: 19.99 MB transfer_tx: 377.80 MB

Namevpn-1-5547-ifxt

NetworkTETS

IPv410.0.0.23

Usernameuser_1831

Password\$%HTW4H2a3

StatusENABLED

BandwidthDown: 3 Mbit/s Up: 5 Mbit/s

ProtocolsWIREGUARDOPENVPNIKEV2

View WireGuardView OpenVPNView IKEv2

BandwidthDownload: 3 Mbit/s Upload: 5 Mbit/s

MetricEnabledCurrent UsageLast Update

Bandwidth Usage Download (GB)1.03 GB1 second ago

Bandwidth Usage Upload (GB)0.04 GB1 second ago

Refresh Now

03-description-admin-area.png

Changelog

PUQVPNCP module **WHMCS**

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v1.2 — 22-06-2026

Speed tiers via Configurable Options, an automated welcome email with connection configs, a clearer One-Time Link, and a cleaner client-area overview.

Configurable Options — speed presets

- **One-click creator** — a **Create speed presets** button on the product Module Settings tab builds the WHMCS Configurable Options for **Download limit (Mbit/s)** and **Upload limit (Mbit/s)**, adds the presets (Unlimited, 10, 25, 50, 100, 250, 500, 1000 Mbit/s) priced at in every currency, and links the group to the product. Idempotent — safe to click repeatedly.
- **Per-order speed** — the customer's selected value overrides the product's default download/upload limit. Applied on provisioning and on every upgrade/downgrade (WHMCS calls change-package for configurable-option changes as well).
- Per-tier pricing can be set on the sub-options to charge for faster speeds.

Welcome email

- Optional **welcome email** sent on provisioning, containing the connection details, full WireGuard config text and an inline QR code, plus a manage-service link.
- Selectable template — use any WHMCS Product/Service template or the bundled **PUQ VPNcp - Welcome**, with **Create if missing** / **Reset to default** buttons. The template is auto-created on first send if absent.
- **Resend welcome email** button on the admin service tab; works regardless of the per-product auto-send setting.

One-Time Link

- The client-area One-Time Link now includes a description, an **Open link** button, and a notice stating it carries every protocol config, QR code and credential and can be opened only once.

Client area

- The default WHMCS **Domain / Username / Server Name / IP Address / Visit Website** block is hidden on the service overview, as it is not relevant for VPN products.

Maintenance

- Admin AJAX endpoints made POST-only; output-escaping fixes; minor edge-case corrections.
-

v1.1 18-06-2026

Bug fixes

- **Client area blank page** — fixed output-buffer conflict in the AJAX controller: WHMCS buffered HTML was prepended to JSON responses, causing the client area to render nothing
- **VPN session list false-positive error** — the `/client/online` endpoint returning an empty list `[]` (no active sessions) was incorrectly treated as an API failure; now handled correctly
- **Smarty template security error** — replaced blocked `{$_smarty.get.id}` superglobal access (disallowed by WHMCS Smarty security policy) with the safe `{$_service->service_id}` in client area and traffic statistics templates
- **Wrong default API port** — HTTP connections to the PUQVPNCP panel were falling back to port 80 instead of the correct default 8098; fixed in all four code locations across three files
- **AJAX responses on inactive services** — AJAX requests for suspended or terminated services now return a proper JSON error response instead of an empty string, preventing JavaScript parse errors in the client area

v1.0 (2026)

- First release
- Multi-protocol VPN provisioning (WireGuard, OpenVPN, IKEv2)
- Lifecycle: create / suspend / unsuspend / terminate / change-package
- Per-client download and upload bandwidth caps
- Per-product VPN network selection via checkboxes — iterated at provisioning, first with free IP wins
- Client area: VPN client details, WireGuard config + QR, OpenVPN profile, IKEv2 profile, OTL generator
- Client area: monthly traffic chart with totals
- Admin service tab: API connection status, remote client state, bandwidth, selected networks
- License verification (online + offline cache)

Installation and Configuration Guide

Step-by-step instructions for installing, configuring and setting up the PUQVPNCP WHMCS module — panel preparation, WHMCS integration, server configuration, location routing and product configuration.

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

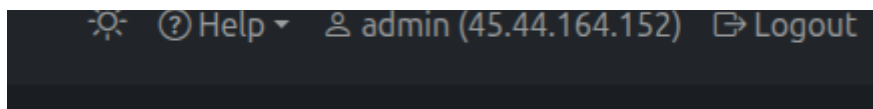
- The panel must be reachable from the WHMCS server over the network.
 - HTTPS is strongly recommended. If you use a self-signed certificate, remember that SSL verification is enabled when the **Secure** checkbox is ticked on the WHMCS server record — use a publicly trusted certificate, or place the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

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

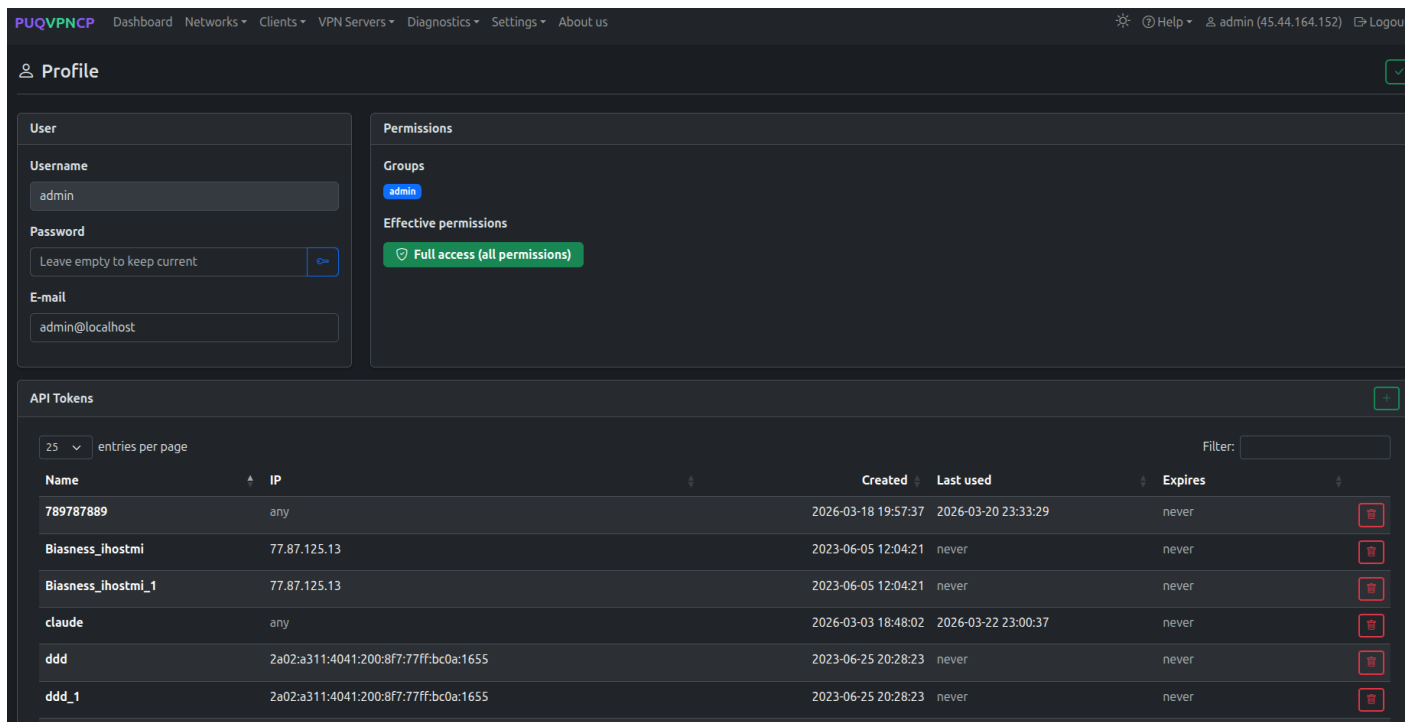
Click your username in the top-right corner of the panel and select **Profile**.



26-puqvpncp-profile-menu.png

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.



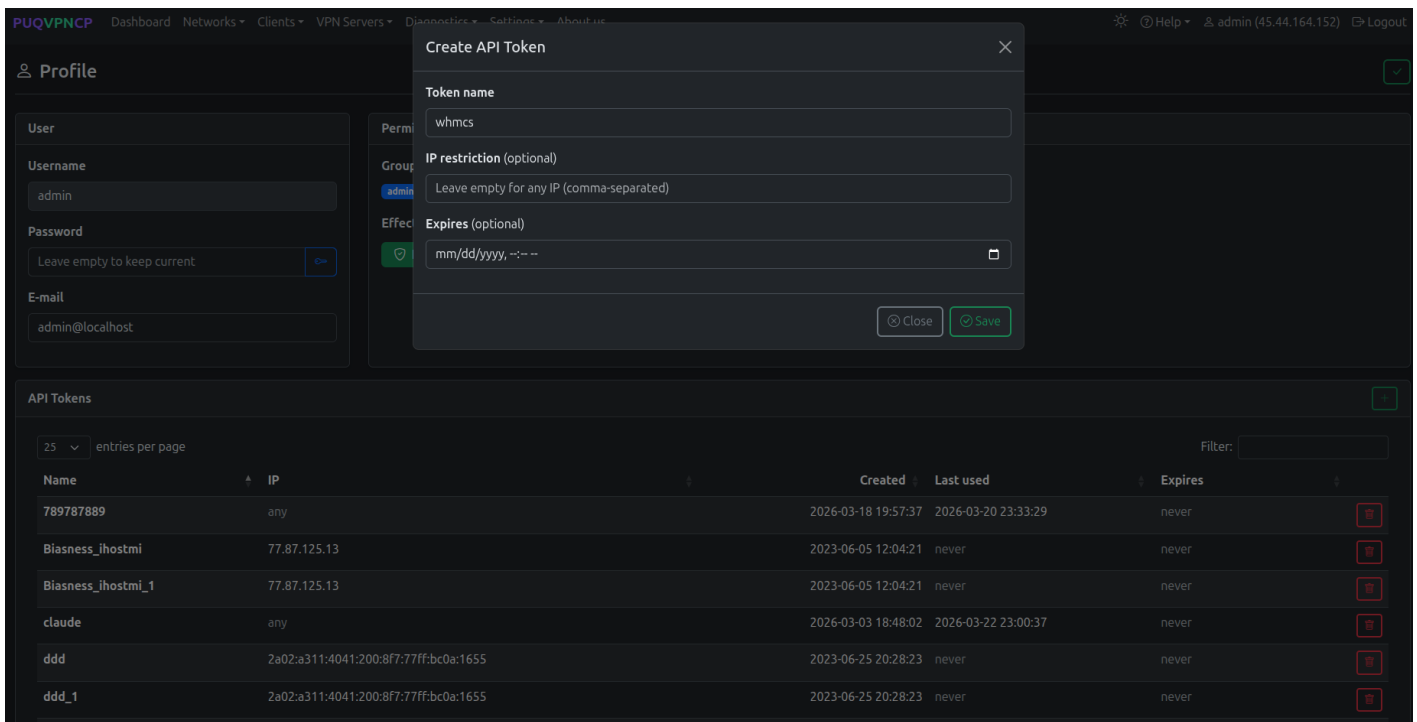
27-puqvpncp-profile-tokens.png

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.

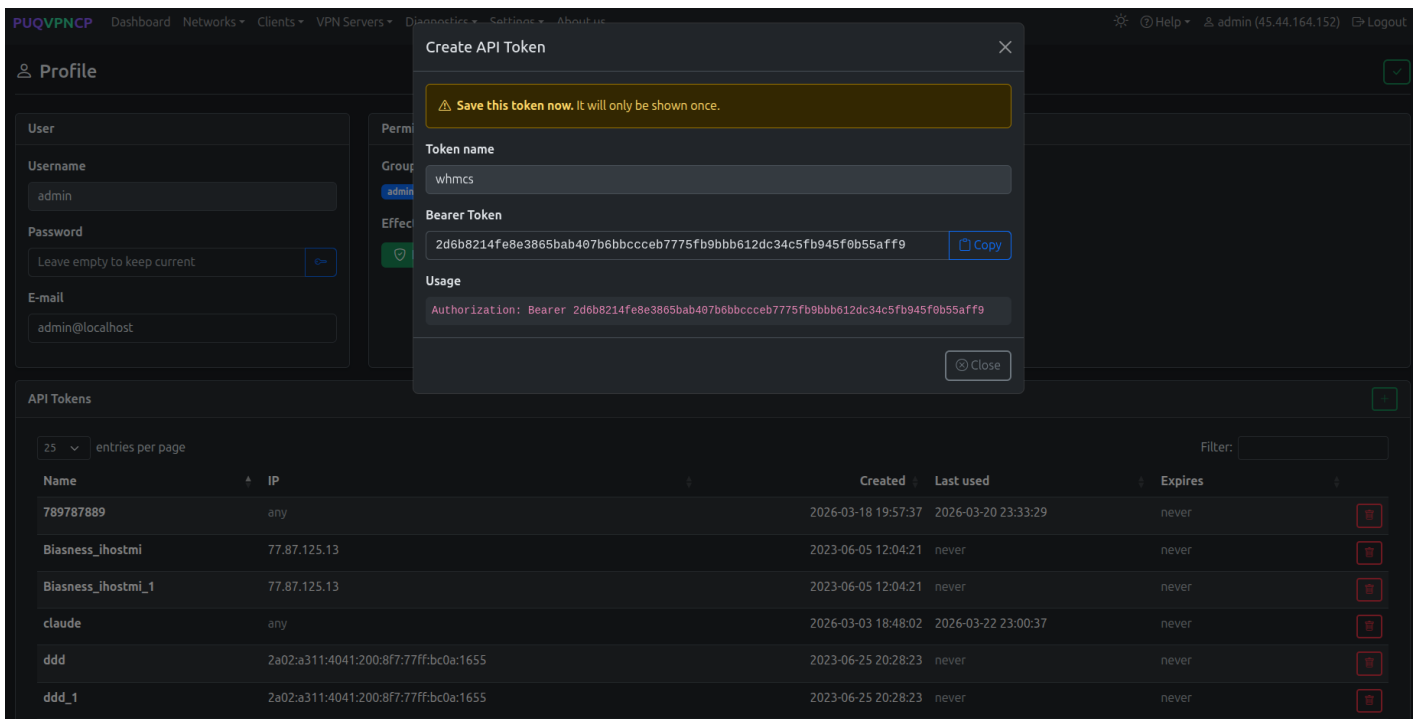
Click **Save**.



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

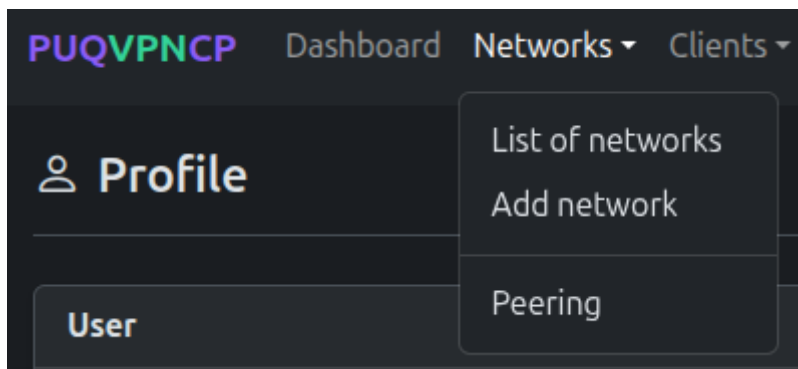
“ The token grants the user's **effective permissions** — the `admin` group used in the screenshot has full access. For tighter control, create a dedicated user/permission group on the panel and issue a token for that user instead.

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 PUQVPNCP 'Networks' page. It shows a table with columns: Name, Clients, WireGuard, OpenVPN, IKEv2, Network, Upstream, and Bandwidth. There are three rows of network data. Each row has action buttons (edit, add, delete) on the right. The top navigation bar includes 'Dashboard', 'Networks', 'Clients', 'VPN Servers', 'Diagnostics', 'Settings', and 'About us'. The top right shows 'Help', 'admin (45.44.164.152)', and 'Logout'.

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.

PUQVPNCIP Dashboard Networks Clients VPN Servers Diagnostics Settings About us

Help admin (45.44.164.152) Logout

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

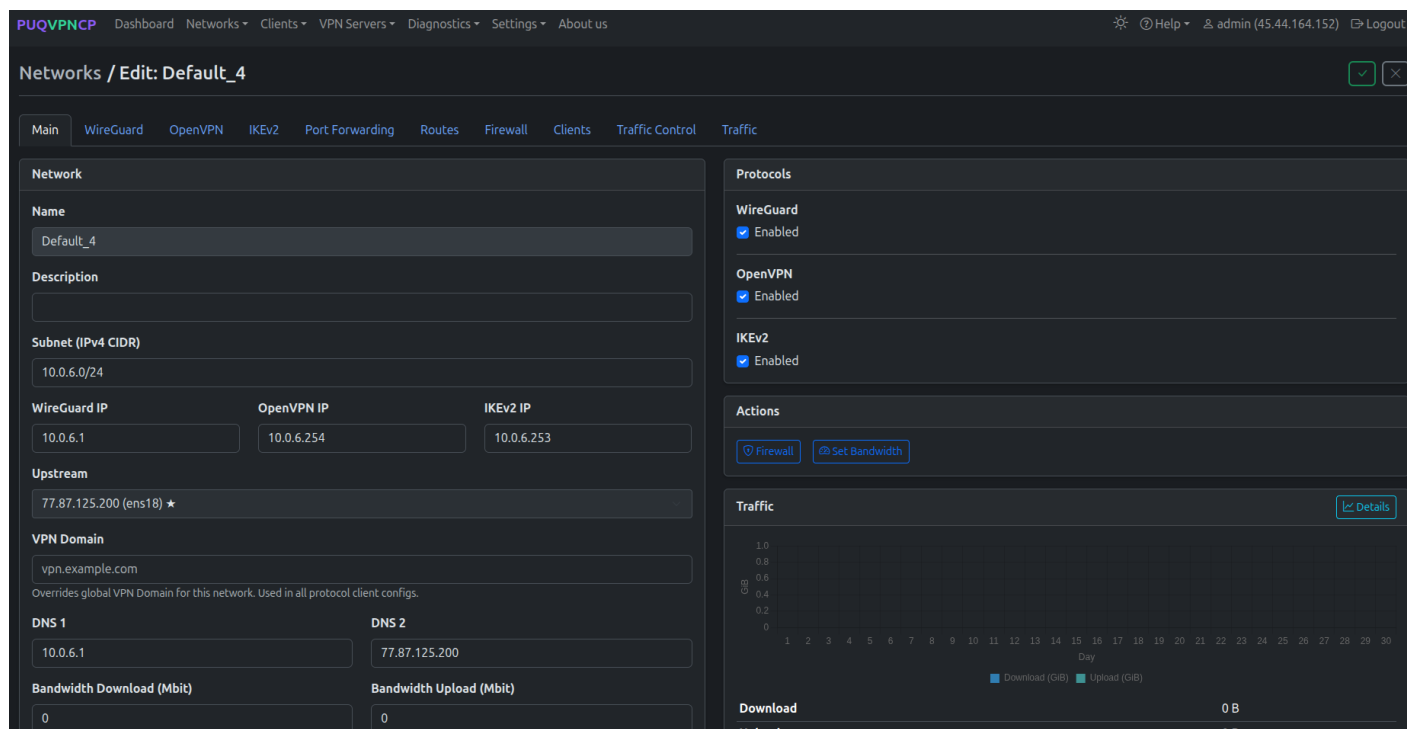
Protocols (WireGuard, OpenVPN, IKEv2) can be configured after creating the network.

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](#).

Add server (PUQVPNCP panel)

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Add a PUQVPNCP panel to WHMCS

Navigate to **System Settings** → **Servers** → **Add New Server**.

Step 1 — General settings

- **Name** — a descriptive label (e.g. `VPN Frankfurt`).
- **Hostname** — the panel's fully-qualified hostname (e.g. `vpn-fra.example.com`).
- **IP** — optional; used as fallback if hostname is empty.
- **Port** — leave empty for the default `80`/`443`, or enter a custom port.
- **Secure** — check when the panel is served over HTTPS (strongly recommended). SSL verification is enabled when this is checked.

Name	dev.puqvpncp.com
Hostname	dev.puqvpncp.com
IP Address	
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	☐ Check to disable this server

04-add-server-1.png

Step 2 — Module settings

1. Server Details section, **Type** dropdown: select **puqVPNcp**.
2. Leave **Username** empty (not used).
3. Paste the panel's **API token** into the **Password** field — this is what the module sends as `Authorization: Bearer <token>` for every API call.
4. Click **Test connection** — it calls `/api/v1/system/status`, `/api/v1/license` and `/api/v1/network` and returns OK on success.

Module	PUQ VPNcp	Test Connection	✓ Connection successful. Some values have been auto-filled.
Username			
Password	*****		
Access Hash			
Secure	☒ Check to use SSL Mode for Connections		
Port	443	☐ Override with Custom Port	

[Save Changes](#) [Cancel Changes](#)

05-add-server-2.png

“ **Important:** The API token must have permissions to manage clients, query networks and read system status.

Step 3 — Assign to a server group

For multi-server deployments, add the server to a WHMCS **server group**. Products bound to that

group will list networks from every reachable server in it on the **VPN Networks** tree of the product configuration page — pick which `server → network` pairs are allowed for that product.

Product configuration

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Create the product

1. Navigate to **System Settings** → **Products/Services** → **Products/Services** → **Create a New Product**.
2. Product Type: **Other**. Give it a name (e.g. `VPN – 100 Mbit/s`).
3. On the **Module Settings** tab, pick **PUQ VPNcp** as the module and assign a server (or a server group).

After saving, the module injects a **PUQ VPNcp settings** panel below the standard module fields. All settings are persisted as JSON in `configuration24` of the product record.

Products/Services

Edit Product

DetailsPricingModule SettingsCustom FieldsConfigurable OptionsUpgradesFree DomainCross-sellsOtherLinks

Module NamePUQ VPNcpServer Grouppuqvpncp-plLicense keyXXXXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXXsuccess: 2026-05-15T03:04:13+02:00

Bandwidth

Download limit (Mbit/s)
3
Per-client download cap applied via PUQVPNCP. Use for unlimited.

Upload limit (Mbit/s)
5
Per-client upload cap. Use for unlimited.

Client name

Client name rule
vpn-{client_id}-{service_id}-{random_letter_4}
VPN client name template using macros.

Base macros:
{client_id} - WHMCS client ID
{service_id} - WHMCS service ID
Random macros:

VPN Networks

Tick which server → network pairs are allowed for this product. Order matters: the top-most pair is tried first; the first one that has a free IP and a free license slot is used. If nothing is ticked, the server WHMCS already assigned is used and the panel picks a network automatically.

Loaded 29 network(s) from 1 server(s) in group "puqvpncp-pl"

new-dev.puqvpncp.com (dev.puqvpncp.com) - license slots: 1853/5050

☐ 7-5692

☐ 77_87_125_209

☐ Default

☐ Default_1

☐ Default_2

☐ Default_3

☒ TETS

☐ loadtest_net1 – Load test network 1

☐ loadtest_net10 – Load test network 10

☐ loadtest_net11 – Load test network 11

☐ loadtest_net12 – Load test network 12

☐ loadtest_net13 – Load test network 13

06-product-configuration.png

License key

Paste your licence key into the **License key** field. The status row underneath shows the result of the most recent verification (`|success: <timestamp>|` or an error). The module re-checks the licence on every product page render and caches the result for the validity period encoded in the licence response.

Bandwidth

Bandwidth

Download limit (Mbit/s)

Per-client download cap applied via PUQVPNCP. Use for unlimited.

Upload limit (Mbit/s)

Per-client upload cap. Use for unlimited.

07-product-config-bandwidth.png

- **Download limit (Mbit/s)** — per-client download cap. = unlimited.
- **Upload limit (Mbit/s)** — per-client upload cap. = unlimited.

The module applies these via `|PUT /api/v1/client/{name}|` right after creating the client. The `|POST /api/v1/client|` create call does not accept bandwidth fields — the limits are always pushed through the follow-up update.

If the bandwidth update fails, the freshly created client is **rolled back** with `|DELETE /api/v1/client/{name}|` so billing never starts charging for an uncapped VPN.

Client name

Client name rule

```
vpn-{client_id}-{service_id}-{random_letter_4}
```

VPN client name template using macros.

Base macros:

`{client_id}` – WHMCS client ID

`{service_id}` – WHMCS service ID

Random macros:

`{random_digit_x}` – Random digits (x = length)

`{random_letter_x}` – Random letters a-z (x = length)

Date & time macros:

`{unixtime}`, `{year}`, `{month}`, `{day}`, `{hour}`, `{minute}`, `{second}`

Example: `vpn-{client_id}-{service_id}-{random_letter_4}`

08-product-config-client-name.png

- **Client name rule** — template used to generate the VPN client identifier. Default:

```
vpn-{client_id}-{service_id}-{random_letter_4}.
```

Available macros:

Base macros

- `{client_id}` — WHMCS client ID
- `{service_id}` — WHMCS service ID

Random macros

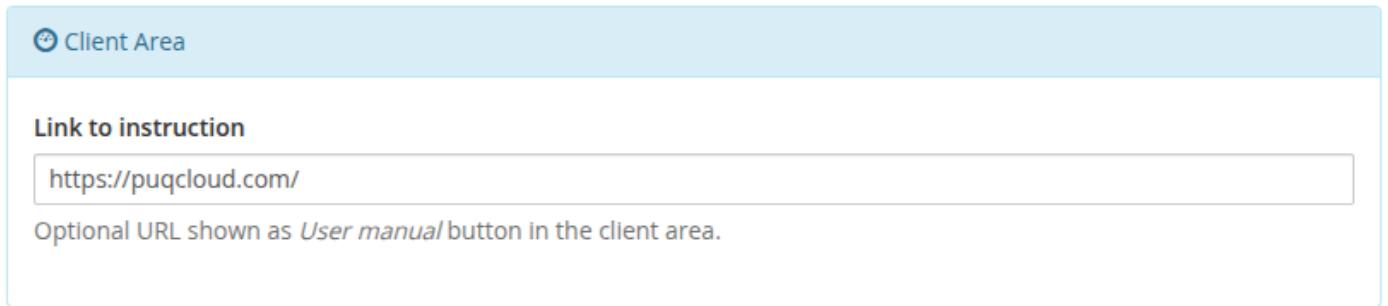
- `{random_digit_N}` — N random digits (e.g. `{random_digit_5}`)
- `{random_letter_N}` — N random lowercase letters

Date & time macros

- `{unixtime}`, `{year}`, `{month}`, `{day}`, `{hour}`, `{minute}`, `{second}`

If the generated name already exists in `tblhosting.username`, the module appends `-1`, `-2`, ... until it finds a free one.

Client Area

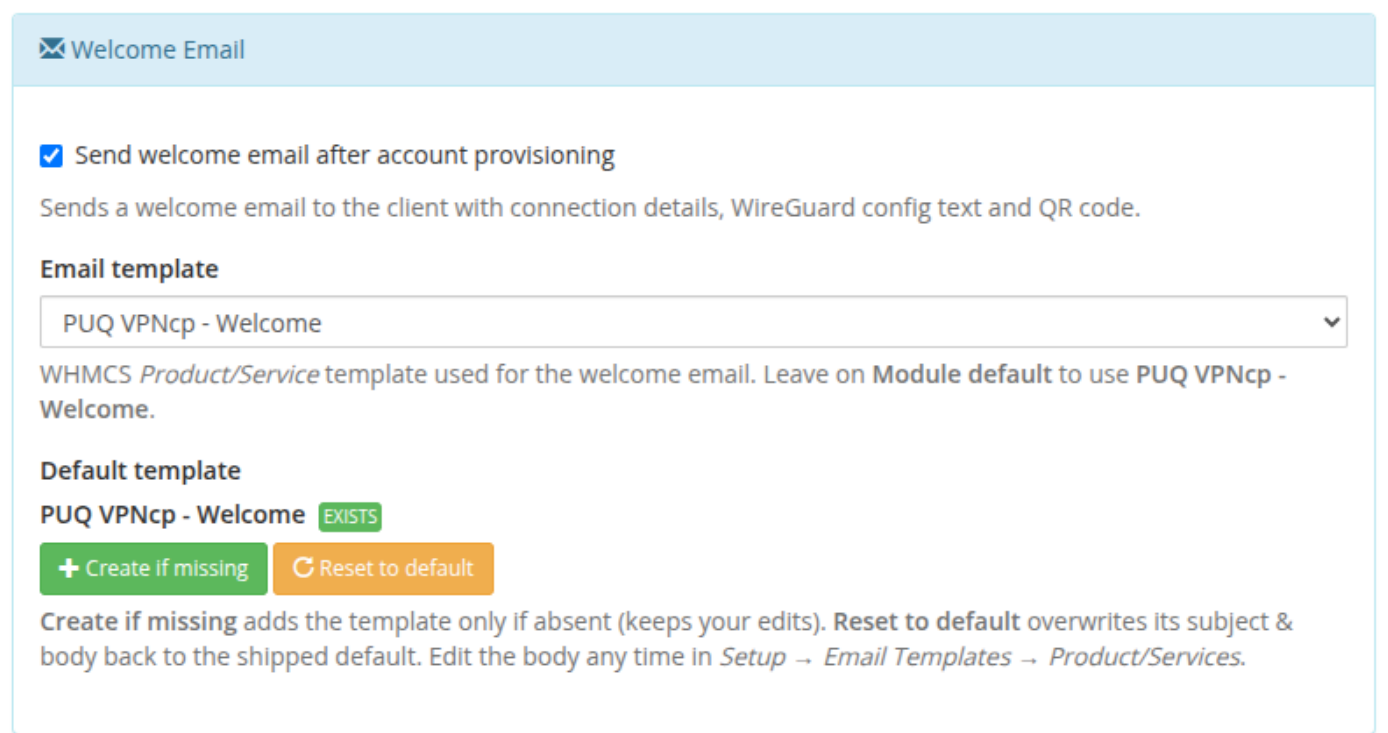


The screenshot shows a configuration panel titled "Client Area" with a gear icon. It contains a section labeled "Link to instruction" with a text input field containing the URL "https://puqcloud.com/". Below the input field is a descriptive text: "Optional URL shown as *User manual* button in the client area."

09-product-config-client-area.png

- **Link to instruction** — optional URL shown as a **User manual** button at the top of the client-area home screen. Leave empty to hide the button.

Welcome Email



The screenshot shows a configuration panel titled "Welcome Email" with an envelope icon. It contains a checkbox labeled "Send welcome email after account provisioning" which is checked. Below it is a descriptive text: "Sends a welcome email to the client with connection details, WireGuard config text and QR code." There is a section labeled "Email template" with a dropdown menu showing "PUQ VPNcp - Welcome". Below this is a descriptive text: "WHMCS *Product/Service* template used for the welcome email. Leave on **Module default** to use **PUQ VPNcp - Welcome**." There is a section labeled "Default template" with the text "PUQ VPNcp - Welcome" followed by a green "EXISTS" tag. Below this are two buttons: a green "+ Create if missing" button and an orange "Reset to default" button. At the bottom is a descriptive text: "Create if missing adds the template only if absent (keeps your edits). Reset to default overwrites its subject & body back to the shipped default. Edit the body any time in *Setup → Email Templates → Product/Services*."

34-product-config-welcome-email.png

Send the customer everything they need to connect the moment their service goes live — automatically.

- **Send welcome email after account provisioning** — when ticked, the module emails the client right after the VPN account is created. The message includes the connection details, the full WireGuard config text and an inline QR code, plus a direct link to manage the service.
- **Email template** — which WHMCS *Product/Service* email template to send. Leave it on **Module default** to use the bundled **PUQ VPNcp - Welcome** template, or pick any of your own templates.
- **Default template** — a one-click manager for the bundled template:
 - **Create if missing** — adds the **PUQ VPNcp - Welcome** template only if it does not exist yet (your edits are never overwritten). The badge shows **EXISTS** once it is in place.
 - **Reset to default** — restores the shipped subject and body (use it if you edited the template and want to start over).

You can edit the template body any time in **Setup → Email Templates → Product/Services**. It supports these merge variables: `{ $puq_client_name }`, `{ $puq_vpn_ip }`, `{ $puq_vpn_username }`, `{ $puq_vpn_password }`, `{ $puq_wg_config }`, `{ $puq_wg_qr_html }`, `{ $puq_service_url }`.

“ The template is also auto-created on the first send if it is still missing, so the feature works even if you never touch the buttons.

Speed presets (Configurable Options)

☰ Speed presets (Configurable Options)

Creates two WHMCS *Configurable Options* — **Download limit (Mbit/s)** and **Upload limit (Mbit/s)** — with ready-made speed presets (Unlimited, 10, 25, 50, 100, 250, 500, 1000 Mbit/s), priced at 0, and links them to this product. The customer's choice overrides the product's default limits for that order.

CREATED & LINKED

+ Create speed presets Done: group created, 2 option(s) created, 16 preset(s) added, linked to this product.

Safe to click repeatedly — only missing pieces are added. After creating, set per-preset pricing (if you charge for higher speeds) under *Setup → Products/Services → Configurable Options*, then save this product to refresh.

35-product-config-speed-presets.png

WHMCS **Configurable Options** let your customers choose their own download/upload speed at

order time and change it later through an upgrade/downgrade — turning a single product into a whole speed-tier line-up. The module reads the selected values and applies them to the VPN client, overriding the product's default bandwidth.

Setting these up by hand is fiddly, so the module does it for you with **one button**.

One-click creation

Click **Create speed presets** and the module instantly builds and links everything:

- a configurable-option group **PUQ VPNcp - Speed presets**;
- two dropdown options — **Download limit (Mbit/s)** and **Upload limit (Mbit/s)**;
- ready-made presets in each: **Unlimited, 10, 25, 50, 100, 250, 500, 1000 Mbit/s**, priced at `[0]` in every currency;
- a link from the group to the current product.

The button is **safe to click repeatedly** — only missing pieces are added, so your prices and edits are preserved. The status badge reflects the current state: *Not created yet* → *Created & linked*.

What gets created

Option Name	Type	Reads as	Preset sub-options ([value] label)
[puqVPNcp_b_download] Download limit (Mbit/s)	Dropdown	per-client download cap (Mbit/s)	[0] Unlimited, [10] 10 Mbit/s, [25] 25 Mbit/s, [50] 50 Mbit/s, [100] 100 Mbit/s, [250] 250 Mbit/s, [500] 500 Mbit/s, [1000] 1000 Mbit/s
[puqVPNcp_b_upload] Upload limit (Mbit/s)	Dropdown	per-client upload cap (Mbit/s)	same set as above

The text before the `[ ]` is the internal name the module matches on; the text after the `[ ]` is what the customer sees. The sub-option value `[0]` means **Unlimited**.

DetailsPricingModule SettingsCustom FieldsConfigurable OptionsUpgradesFree DomainCross-sellsOtherLinks

Assigned Option Groups

hetzner - hetzner
IPs -
Operating system ALL -
Operating system MINI -
Proxmox KVM v3+ - New Configurable Options
PUQ VPNcp - Speed presets - Speed presets for PUQ VPNcp. The selected value overrides the product defa
PUQ Web Hosting #103 - Auto-created by PUQ Web Hosting. Tune prices/tiers here; the module reads the
PUQ Web Hosting #104 - Auto-created by PUQ Web Hosting. Tune prices/tiers here; the module reads the

Save ChangesCancel Changes

36-configurable-options-assigned.png

The group appears on the product's **Configurable Options** tab (already ticked under *Assigned Option Groups*) and under **System Settings → Products/Services → Configurable Options**.

Configurable Option Groups

Manage Group

Group Name

PUQ VPNcp - Speed presets

Description

Speed presets for PUQ VPNcp. The selected value overrides the product default download/upload limit for the order (Mbit/s; 0 = unlimited).

Assigned Products

PUQVPNCP - vpn1
HOSTING - Hosting 1/10
HOSTING - Vanity
Proxmox KVM - VPS Start
Proxmox KVM - VPS Pro
Proxmox KVM - VPS
Support - Support 5h
Support - Support 1h

Configurable Options

Add New Configurable Option

Option	Sort Order	Hidden	
puqVPNcp_b_download Download limit (Mbit/s)	0	☐	 
puqVPNcp_b_upload Upload limit (Mbit/s)	1	☐	 

37-configurable-options-group.png

Pricing the tiers

By default every preset is free (), so customers can switch speeds at no cost. To monetise faster tiers, open each option and set per-cycle pricing on the sub-options — for example charge more for than for .

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide	
0 Unlimited	EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	☐	
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	PLN	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	UAH	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	10 10 Mbit/s	EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	1	☐
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
		PLN	Setup	0.00	0.00	0.00	0.00	0.00	0.00		
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
UAH		Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
USD		Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
25 25 Mbit/s		EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	2	☐
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		

38-configurable-options-download.png

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide	
0 Unlimited	EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	☐	
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	PLN	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	UAH	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
	10 10 Mbit/s	EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	1	☐
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
		PLN	Setup	0.00	0.00	0.00	0.00	0.00	0.00		
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
UAH		Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
USD		Setup	0.00	0.00	0.00	0.00	0.00	0.00			
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00			
25 25 Mbit/s		EUR	Setup	0.00	0.00	0.00	0.00	0.00	0.00	2	☐
			Pricing	0.00	0.00	0.00	0.00	0.00	0.00		

39-configurable-options-upload.png

After changing pricing, **save the product** to refresh the panel status.

How the value is applied

Priority	Source	When used
----------	--------	-----------

1 (wins)	Configurable Option selection	whenever the option is assigned to the service (including <code> 0 </code> = unlimited)
2	Product Bandwidth default (Module Settings)	when no speed option is assigned

On **provisioning** and on every **upgrade/downgrade** (WHMCS calls the module's change-package routine for configurable-option changes too), the module pushes the resolved `|b_download|` / `|b_upload|` to the panel via `PUT /api/v1/client/{name}`. So a customer who upgrades from *100 Mbit/s* to *500 Mbit/s* gets the new speed applied automatically, with no manual work for you.

“ Adding the speed options is optional. Skip the button and every service simply uses the product's **Bandwidth** defaults.

VPN Networks

Tick which **server** → **network** pairs are allowed for this product. Order matters: the top-most pair is tried first; the first one that has a free IP *and* a free license slot is used. If nothing is ticked, the server WHMCS already assigned is used and the panel picks a network automatically.

Loaded 29 network(s) from 1 server(s) in group "puqvpncp-pl"

✓ new-dev.puqvpncp.com (dev.puqvpncp.com) · license slots: 1853/5050

- ☐ 7-5092
- ☐ 77_87_125_209
- ☐ Default
- ☐ Default_1
- ☐ Default_2
- ☐ Default_3
- ☒ TETS
- ☐ loadtest_net1 – Load test network 1
- ☐ loadtest_net10 – Load test network 10
- ☐ loadtest_net11 – Load test network 11
- ☐ loadtest_net12 – Load test network 12
- ☐ loadtest_net13 – Load test network 13
- ☐ loadtest_net14 – Load test network 14
- ☐ loadtest_net15 – Load test network 15
- ☐ loadtest_net16 – Load test network 16
- ☐ loadtest_net17 – Load test network 17
- ☐ loadtest_net18 – Load test network 18

10-product-config-vpn-networks.png

On opening the product, the module contacts **every enabled** `puqVPNcp` **server in the product's server group** and calls `GET /api/v1/network` on each. The UI then shows a per-server tree — unreachable servers remain visible with their error so you can see exactly what went wrong. License-slot capacity (`used / total`) is displayed next to each reachable server.

Each checkbox is a `server → network` pair. Ticking the same network name on two different servers creates two independent pairs.

How a server and network are picked at deploy time

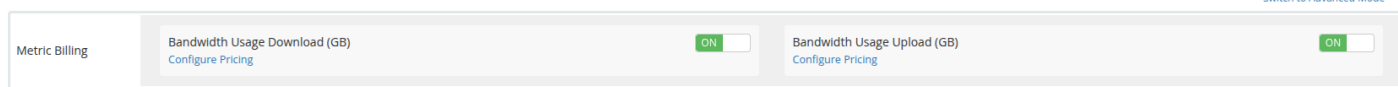
1. The module reads all ticked pairs in the order they appear in the list (top to bottom).

2. For each pair it checks (a) free licence slots on that server (`|count_accounts < count_accounts_available|` from `|GET /api/v1/system/status|`) **and** (b) at least one free IP on the network (`|GET /api/v1/network/{name}/available_ip|`).
3. **The first pair that passes both checks wins.** The service is **reassigned** (`|tblhosting.server|` is updated) to the selected server, and the client is created on the selected network via `|POST /api/v1/client|`.
4. If nothing is ticked, `|network_name|` is omitted from the create call and the panel of the server WHMCS already picked decides automatically.
5. If ticks exist but none is deployable (every chosen server is out of slots or every chosen network is full), provisioning fails — nothing is silently created on a wrong network.

Because order matters, put your **preferred** pairs at the top.

If the whole group is unreachable a red banner appears at the top of the section; previously saved ticks are preserved through hidden inputs so your configuration is not lost when you re-save the product.

Metric Billing (optional)



Metric Billing

Bandwidth Usage Download (GB)
[Configure Pricing](#)

ON

Bandwidth Usage Upload (GB)
[Configure Pricing](#)

ON

11-product-config-metric-billing.png

The module ships a WHMCS **Usage Billing** provider with two metrics:

- **Bandwidth Usage Download (GB)**
- **Bandwidth Usage Upload (GB)**

Enable the metrics on the product's **Pricing** tab to charge customers per GB of traffic. The provider pulls daily totals directly from the panel via `|GET /api/v1/client/{name}/traffic/{Y}/{m}|` and reports them in gigabytes for the current calendar month. No local accumulation table is used — values come live from the panel each time WHMCS runs the usage-billing cron.

Client area

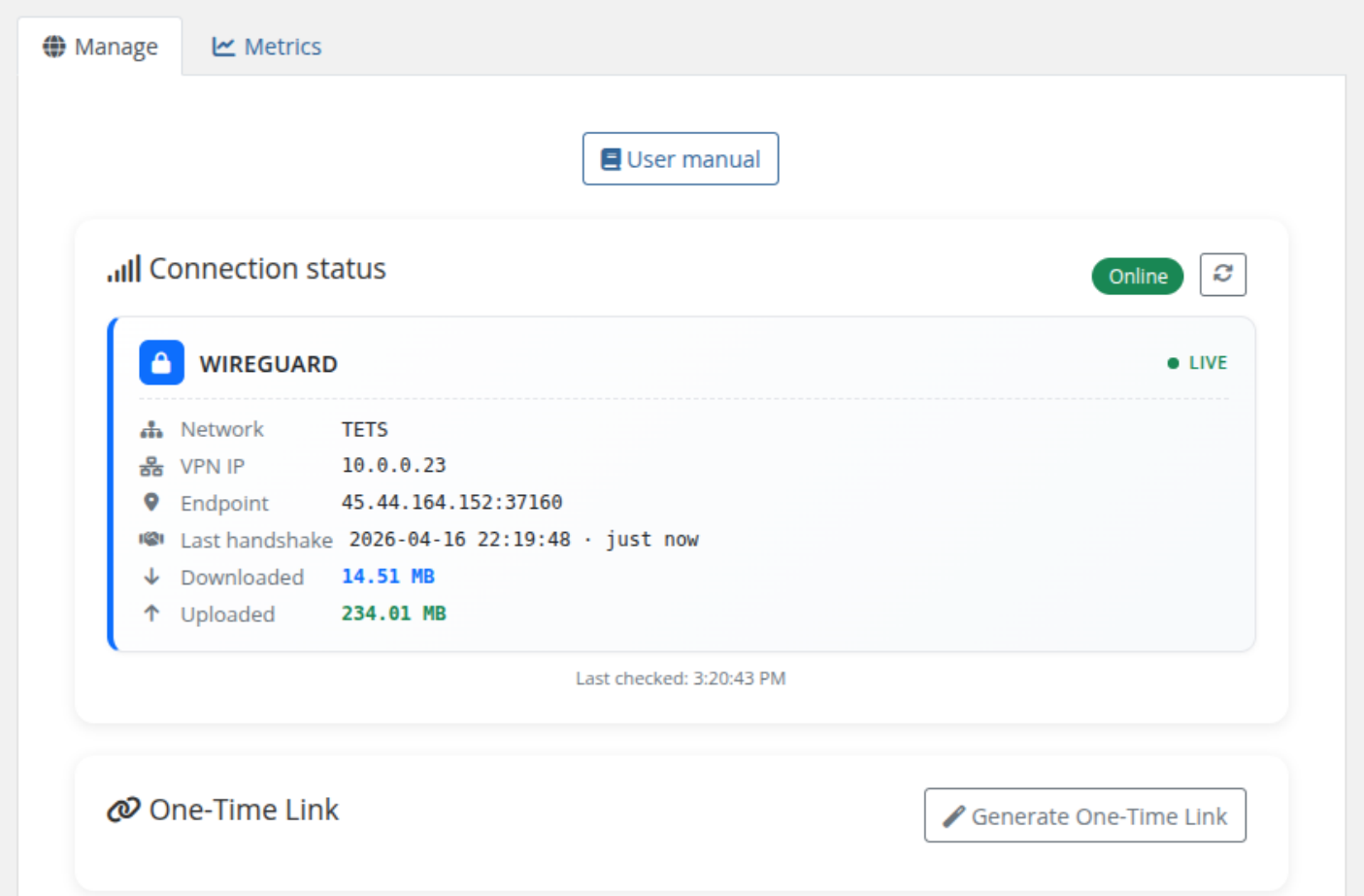
What your customers see after ordering a PUQVPNCP-backed service in WHMCS: the home screen with VPN client details and protocol configs, the traffic statistics page, and email notifications.

Home screen

PUQVPNCP module WHMCS

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The product details page is the **Information** tab — the module's main client-facing view. Everything on it is loaded dynamically from the PUQVPNCP panel via AJAX the moment the page opens.

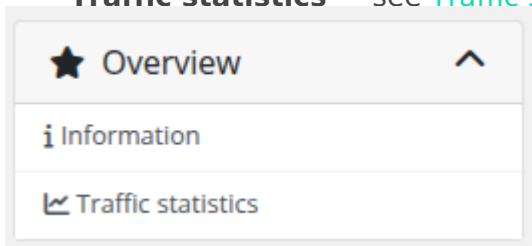


12-home-screen-connection.png

Sidebar

The module replaces the default *Information* sidebar entry with two of its own:

- **Information** — the page documented here.
- **Traffic statistics** — see [Traffic statistics](#).



13-home-screen-sidebar.png

User manual

If a *Link to instruction* is set in the product configuration, a **User manual** button appears at the top of the page linking to that URL.

Connection status

A live block at the top of the page that polls `/api/v1/client/online` every 5 seconds (paused while the browser tab is hidden) and shows one card per protocol the client is currently connected on:

- **WireGuard** — blue accent, lock icon
- **OpenVPN** — amber accent, shield icon
- **IKEv2** — purple accent, key icon

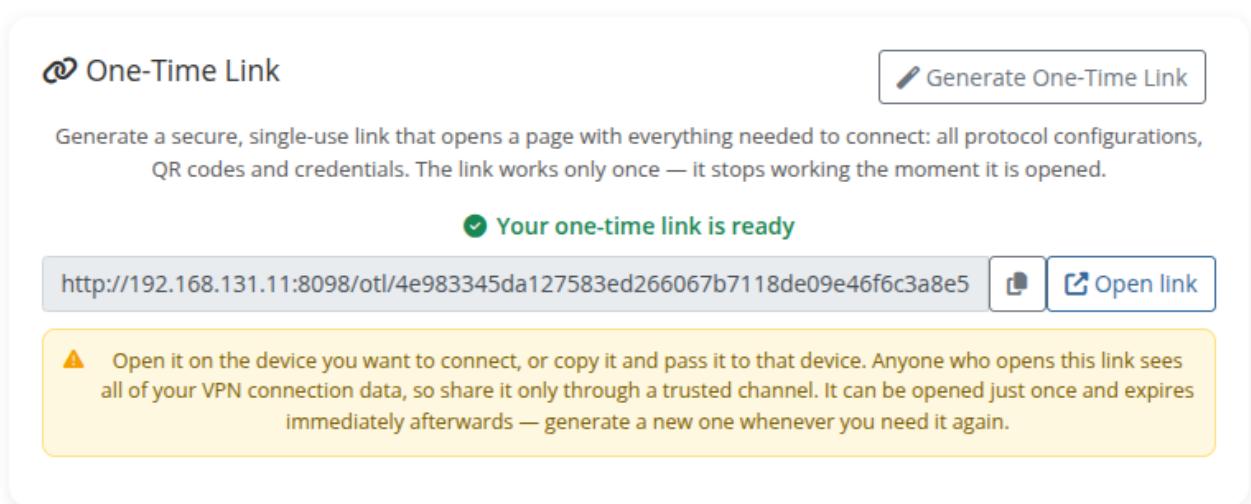
Each card shows: VPN IP, network, endpoint, last handshake (with relative time suffix) and downloaded/uploaded bytes (humanised B/KB/MB/GB). The header pill is **Online** (green) when at least one protocol reports a session, **Offline** (red) otherwise.

A manual **Refresh** button next to the badge forces an immediate fetch.

One-Time Link (OTL)

The fastest way to get a customer connected on a new device: one secure link that carries **everything** — all protocol configurations, QR codes and credentials — on a page that opens **only once**.

The **Generate One-Time Link** button calls `POST /api/v1/client/{name}/otl` and returns a single-use URL. The card explains the feature up front, and once a link is generated it offers a read-only field with **Copy** and **Open link** buttons, plus a clear warning that the link reveals all connection data and stops working the moment it is opened.

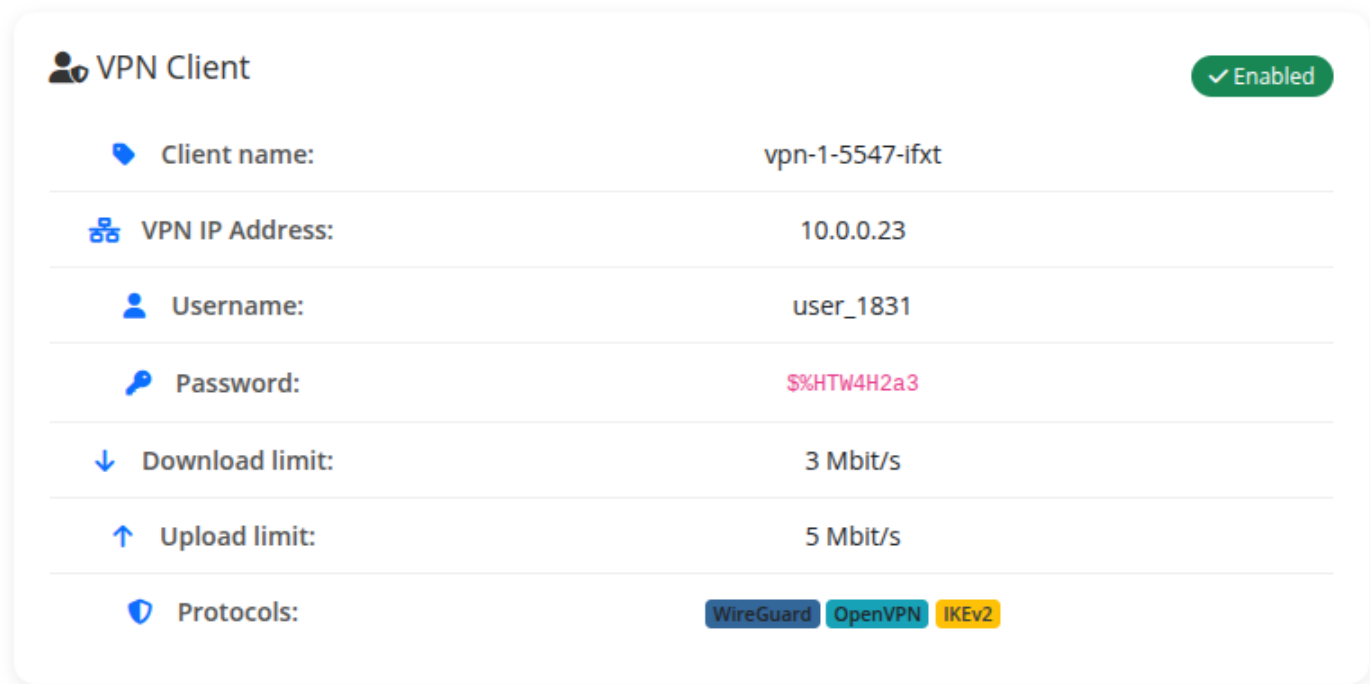


14-home-screen-otl.png

“ The link is single-use and expires immediately after the first visit — opening it consumes it. Anyone with the link sees the full connection data, so it should be shared only through a trusted channel. Need it again? Just generate a new one. The generate action is POST-only, so an accidental browser prefetch cannot burn the token.

VPN Client

Static card with the panel's authoritative client record:



15-home-screen-vpn-client.png

- **Client name** — the identifier on the panel
- **VPN IP Address** — assigned IPv4
- **Username** — auth username (used by IKEv2 / OpenVPN)
- **Password** — auth password (shown as `<code>`)
- **Download / Upload limit** — Mbit/s caps or *Unlimited*
- **Protocols** — coloured badges for WireGuard / OpenVPN / IKEv2; only protocols actually enabled on the client's network are shown

A status pill in the top-right reads **Enabled** (green) when the panel reports `status: enable`, **Disabled** (red) otherwise.

WireGuard

Shown when WireGuard is enabled on the client's network:

WireGuard

[Copy Config](#)[Download](#)

```
[Interface]
Address = 10.0.0.23/24
DNS = 10.0.0.1,77.87.125.200
MTU = 1420
PrivateKey = KE39V3yl3rf11eZ0Rzo5/7b8FezhERAtSY+FdI

[Peer]
PersistentKeepalive = 25
Endpoint = dev.puqvpncp.com:51823
PublicKey = ZLN9mopWyV94HS6mRrr4riT6VwehPAdKMnvXg1U
AllowedIPs = 0.0.0.0/0
```



[Click to enlarge](#)

16-home-screen-wireguard.png

- `.conf` text in a monospace block with **Copy Config** and **Download** buttons
- QR code generated by the panel (click to enlarge in a lightbox; close with the × button or `Esc`)

OpenVPN

Shown when OpenVPN is enabled on the client's network:



17-home-screen-openvpn.png

The full `.ovpn` profile text with **Copy Config** and **Download** buttons.

IKEv2

Shown when IKEv2 is enabled on the client's network:



Download

```
{
  "uuid": "27002a50-d948-4ed2-86dd-28ffd0a857a6",
  "name": "dev.puqvpncp.com",
  "type": "ikev2-eap",
  "remote": {
    "addr": "dev.puqvpncp.com",
    "id": "dev.puqvpncp.com",
    "cert": "MIIFwDCCA6igAwIBAgIIRU0Kgksgaf4wDQYJKoZIhvcNAQEMBQAwfjEZMBcGA1UEAxMQZGV2LnB1cX;
  },
  "local": {
    "eap_id": "user_1831"
  }
}
```

18-home-screen-ikev2.png

The IKEv2 profile (JSON) with a **Download** button.

Traffic statistics

The **Traffic statistics** entry in the sidebar opens a separate page — see [Traffic statistics](#).

Email notification

PUQVPNCP module **WHMCS**

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The module can send a **welcome email** the moment a VPN account is provisioned, so the customer receives everything needed to connect without opening a ticket.

What the welcome email contains

- Connection details — VPN client name, IP address, username and password
- The full **WireGuard configuration** text, ready to paste into a client
- An inline **QR code** for instant mobile import
- A button linking straight to the service management page

Enabling it

Turn it on per product with **Send welcome email after account provisioning** on the *Module Settings* tab, and choose which template to send (the bundled **PUQ VPNcp - Welcome** by default). See [Welcome Email](#) for the full setup, including the one-click template creator and the available merge variables.

The template lives in **Setup → Email Templates → Product/Services** and can be edited freely. If it is missing when the first welcome email is due, the module creates it automatically.

Resending on demand

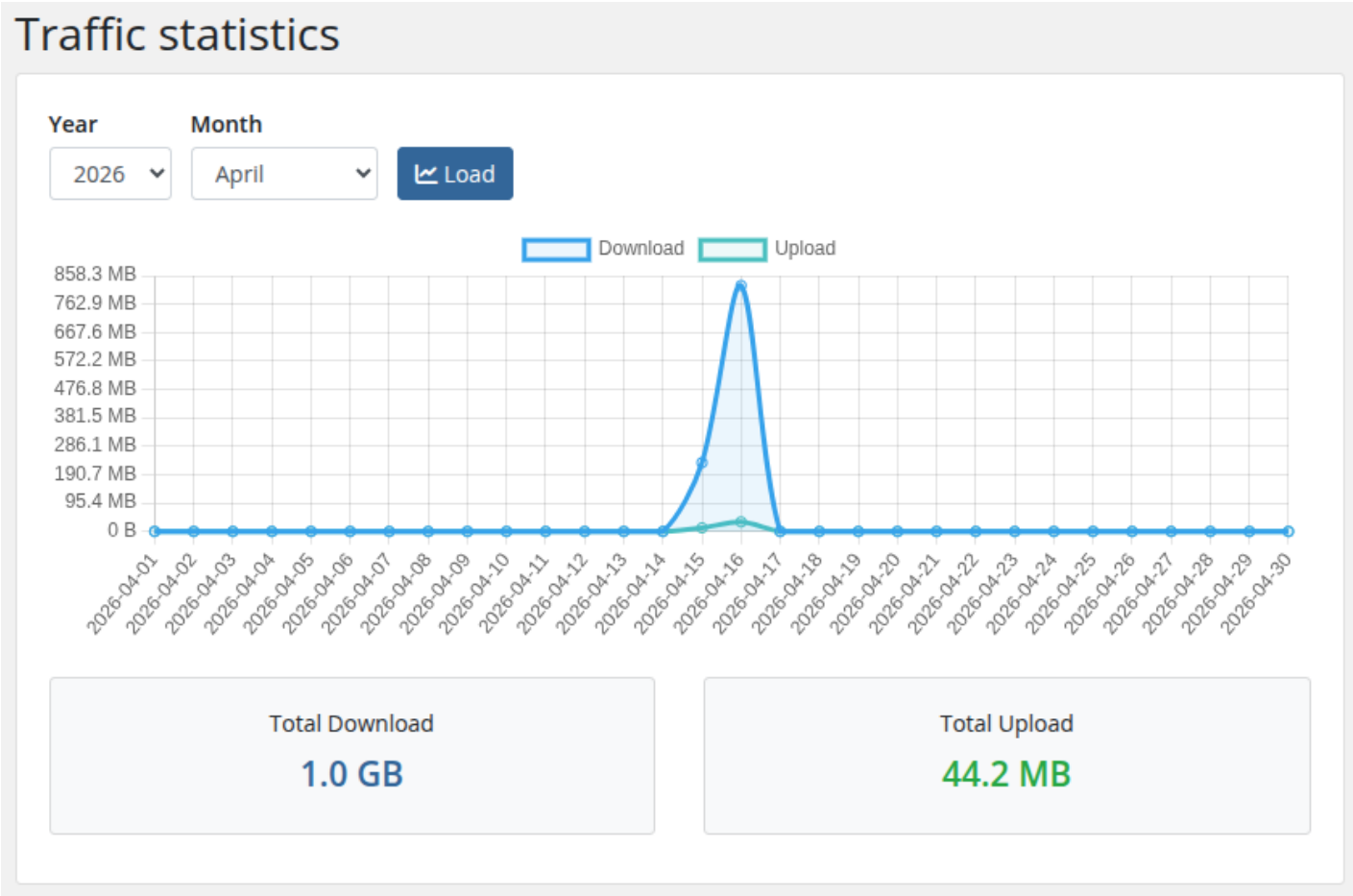
An admin can re-send the welcome email at any time from the service's admin tab — see [Email notification \(admin\)](#). This works even if the per-product auto-send option is disabled.

Traffic statistics

PUQVPNCP module **WHMCS**

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A dedicated page in the client area showing monthly traffic for the VPN client. Entered from the service sidebar via **Traffic statistics** (`|action_m=traffic_statistics|`).



19-traffic-statistics.png

Controls

- **Year / Month** selectors — default to the current month. The Year dropdown lists the last

four years.

- **Load** button — refetches data for the chosen period.

Chart

A line chart rendered with Chart.js showing per-day:

- **Download** (blue line, filled area)
- **Upload** (green line, filled area)

All values are formatted with a human-readable `B / KB / MB / GB / TB` scale on hover and on the Y axis.

Totals

Two cards below the chart show the aggregated total download (blue) and total upload (green) for the selected month.

Data source

The page calls `GET /api/v1/client/{name}/traffic/{year}/{month}` on the PUQVPNCP panel every time **Load** is pressed. The module does not cache samples — values come live from the panel each render.

Admin area

What the module exposes to WHMCS administrators: the service admin tab, the license alert on the homepage, and the product settings panel.

Product information (admin service tab)

PUQVPNCP module WHMCS

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Open **Clients** → **View/Search Clients** → **(client)** → **Products/Services** → **(service)**. The module adds a set of fields to the standard admin service tab — all populated live from the PUQVPNCP panel via AJAX.

SummaryProfileUsersContactsProducts/ServicesDomainsBillable ItemsInvoicesQuotesTransactionsTicketsEmailsNotes (0)Log

vpn1Go

+ New AddonMore

Order # 1255 - View Order

Product/Servicevpn1

Servernew-dev.puqvpncp.com (2/200 Accounts)

Domain

Dedicated IP10.0.0.23

Usernamevpn-1-5547-ift

Password\$%HTW4H2a3

StatusActive

Registration Date15/04/2026

Quantity1

First Payment Amount0.00

Recurring Amount0.00Recalculate on SaveNo

Next Due DateN/A

Termination Date

Billing CycleFree

Payment MethodPayPal

Promotion CodeNone

Module CommandsCreateSuspendUnsuspendTerminateChange Package

Connection statusOnlineLast checked: 3:35:25 PM

WIREGUARD network: TETS ip: 10.0.0.23 endpoint: 45.44.164.152:37160 latest_handshake: 2026-04-16 22:33:51 transfer_rx: 19.99 MB transfer_tx: 377.00 MB

VPN Client

Namevpn-1-5547-ift

NetworkTETS

IPv410.0.0.23

Usernameuser_1831

Password\$%HTW4H2a3

StatusENABLED

BandwidthDown: 3 Mbit/s Up: 5 Mbit/s

ProtocolsWIREGUARDOPENVPNIPV2

Function buttonsView WireGuardView OpenVPNView IKEv2

BandwidthDownload: 3 Mbit/sUpload: 5 Mbit/s

Metric	Enabled	Current Usage	Last Update
Bandwidth Usage Download (GB)	✓	1.03 GB	1 second ago
Bandwidth Usage Upload (GB)	✓	0.04 GB	1 second ago

Refresh Now

20-product-information.png

License Verification

Shown only when the product's licence check fails — a red **errorbox** with the verification error. Fix the licence on the product configuration page and re-open the service.

Connection status



21-product-info-status-client.png

A live block at the top that polls `GET /api/v1/client/online` every 5 seconds and shows one row per protocol the client is currently connected on.

The header pill is **Online** (green) when at least one protocol reports a session, **Offline** (red) otherwise. *Last checked* timestamp updates after every poll.

Each protocol row exposes the raw fields the panel returns (network, IP, endpoint, last handshake, transferred bytes), formatted for readability — bytes are humanised, the latest handshake gets a relative-time chip.

VPN Client

A table populated from `GET /api/v1/client/{name}` with the panel's authoritative client record:

- **Name** — identifier on the panel
- **Network** — VPN network the client is on
- **IPv4** — assigned VPN IP
- **Username** — auth username (used by IKEv2 / OpenVPN)
- **Password** — auth password
- **Status** — `Enabled` (green label) or `Disabled` (red)
- **Bandwidth** — current `Down: X Mbit/s · Up: Y Mbit/s` caps (or *Unlimited*)
- **Protocols** — coloured labels for WireGuard / OpenVPN / IKEv2; protocols disabled on the network are shown greyed-out and struck-through

Function buttons

Three buttons that fetch and inline-display the protocol configuration for the client. Buttons for protocols disabled on the network are greyed-out, marked `|cursor: not-allowed|`, and carry a tooltip explaining why they cannot be opened.

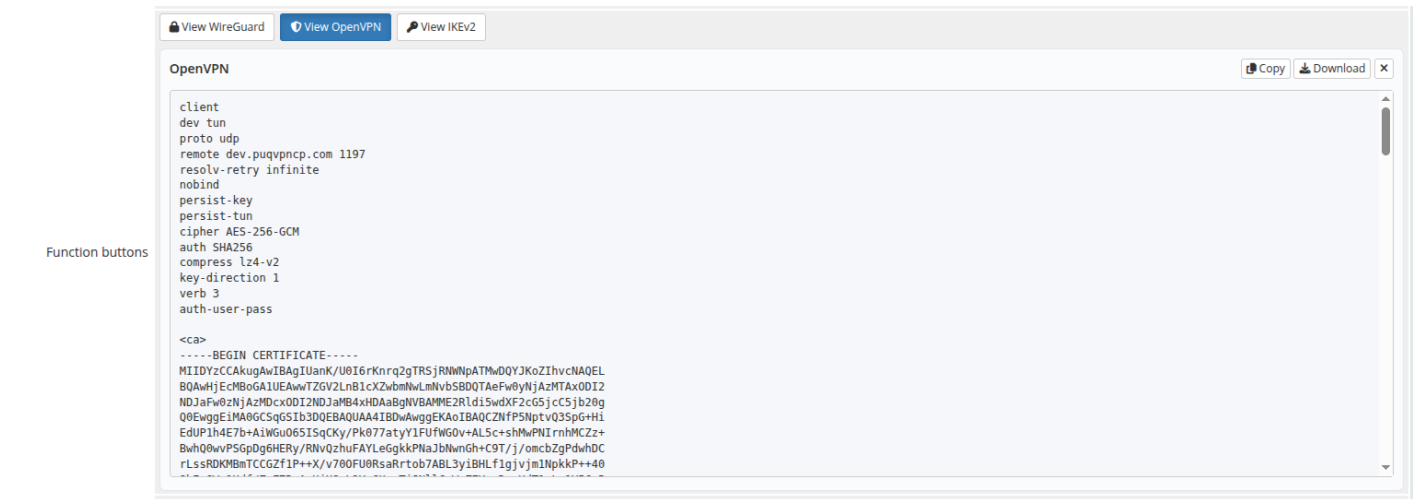
View WireGuard



22-product-info-wireguard.png

Calls `|GET /api/v1/client/{name}/config/text|` and `|/config/qr|`. Shows the `|.conf|` text alongside the QR code (the layout collapses to full-width text when no QR is returned). **Copy** and **Download** buttons act on the visible config; **x** closes the panel.

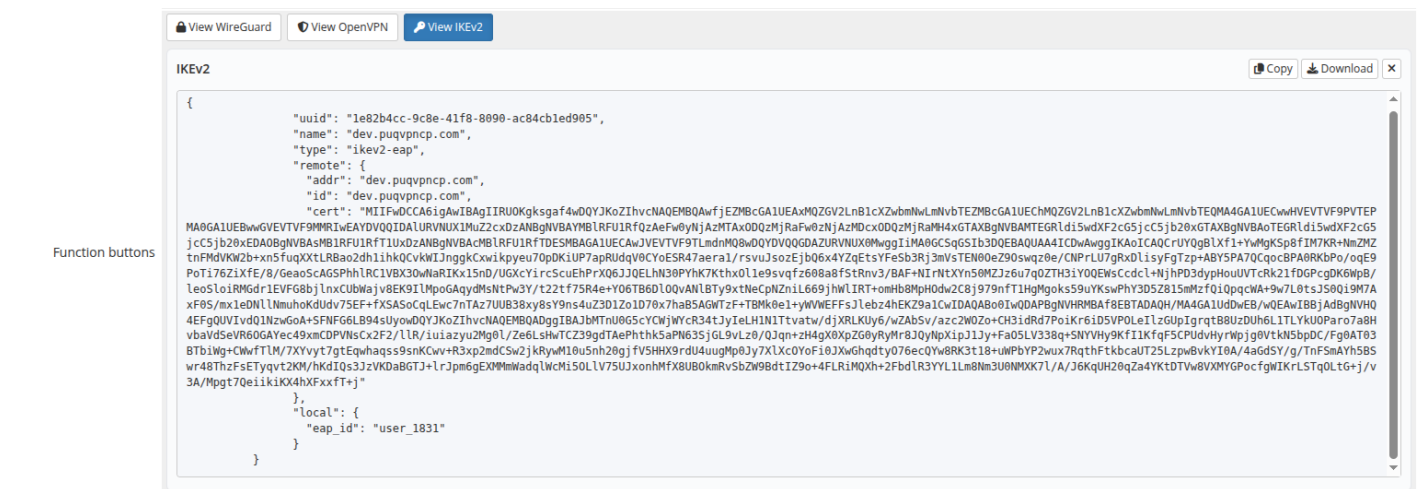
View OpenVPN



23-product-info-openvpn.png

Calls `|GET /api/v1/client/{name}/openvpn/profile|` and shows the full `|.ovpn|` file. The block uses 100 % width because no QR is rendered.

View IKEv2



24-product-info-ikev2.png

Calls `GET /api/v1/client/{name}/ikev2/profile` and shows the IKEv2 profile (JSON). Long base64 certificate strings wrap inside the box and never expand it horizontally.

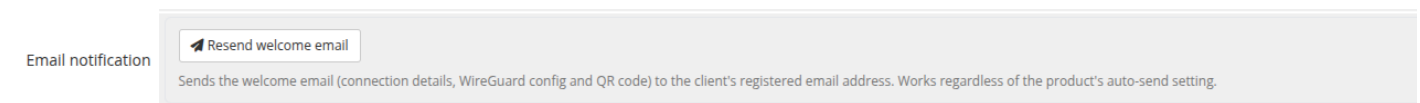
Bandwidth

Bandwidth	Download: 3 Mbit/s Upload: 5 Mbit/s		
	Metric	Enabled	Current Usage
Metric Statistics	Bandwidth Usage Download (GB)	✓	1.03 GB
	Bandwidth Usage Upload (GB)	✓	0.04 GB
			↻ Refresh Now

25-product-info-bandwidth.png

Read-only summary of the per-client caps configured on the product: **Download** and **Upload** in Mbit/s, or **Unlimited** when the value is [0]. To change them, edit the product's *Bandwidth* fields on the Module Settings tab.

Email notification

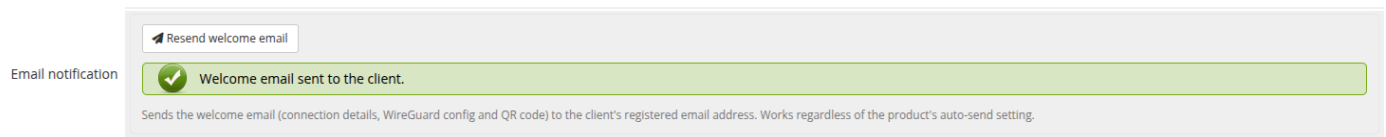


40-product-info-email-notification.png

A **Resend welcome email** button that re-sends the welcome message — connection details,

WireGuard config and QR code — to the client's registered email address on demand. Handy when a customer loses the original email or you onboard them manually.

It sends **regardless** of the product's auto-send setting, so you can leave automatic sending off and dispatch the email only when you choose. A confirmation prompt protects against accidental clicks; the result is shown inline.



41-product-info-resend-success.png

Metric Statistics

WHMCS-rendered block (not part of the module's tab fields, shown when the product has Usage Billing metrics enabled). Lists the metric, its enabled state, current usage and last update time. Values come from the module's metric provider, which fetches monthly traffic totals from the panel via `|GET /api/v1/client/{name}/traffic/{Y}/{m}|` and reports them in gigabytes.

Click **Refresh Now** to re-poll the panel immediately.