

# Create a Product

## PUQ Web Hosting module **WHMCS**

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Create a product in WHMCS (*Setup* → *Products/Services*), then on **Module Settings** choose **PUQ Web Hosting** and point **Server Group** at the group you built.

Details Pricing Module Settings Custom Fields Configurable Options Upgrades Free Domain Cross-sells Other Links

Module Name: PUQ Web Hosting  
Server Group: None

License key: success: License check disabled (DEV)

General Web limits Mail limits DNS limits Client Email Config options

**Infrastructure**  
Server Group (addon side) \*  
pl  
Picks which addon server group (web + mail + dns) this product deploys into. Nameservers and DNS variables are configured per-group under *Addon* → *Server Groups* → *Edit* → *DNS variables*.

**Package contents**  
What this package includes  
 Web (domain, files, databases, FTP, cron)  Mail (mailboxes, webmail, mail backups)  DNS (always active — locally managed)

**Deployment mode**  
 Split (one Hestia user per role; web / mail / dns can live on different servers)  Unified (single Hestia user holds web + mail; DNS joins the same account when the server is in the DNS cluster)  
 Vanity (sell name.<your-domain> sites + name@<your-domain> mailboxes on a domain YOU own)

Split is the classic mode and supports any group composition. Unified requires the chosen server group to contain at least one server with both *Web* and *Mail* capabilities ticked (*Addon* → *Servers* → *Edit* → *Capabilities*). Customer-facing change: a single *Account backups* quota replaces the separate *Web* / *Mail* backup counts. The mode is locked at `_CreateAccount` time — switching the product of an existing service between split and unified is refused.

Vanity sells slots on a domain you own (configured under *Addon* → *Server Groups* → *Edit* → *Vanity domains*). The buyer picks the parent domain via a Configurable Option named `vanity_domain` and enters their name in a Custom Field named `vanity_name`; the service then gets a normal per-service web account for `name.<domain>` and ONE mailbox `name@<domain>` on your shared mail user. The module never creates or deletes the parent domain / zone / your provider user. Set the per-order site and mailbox sizes on the *Vanity limits* tab.

**How role gating works:** A role is *enabled* for a service when BOTH the package-level checkbox is ticked AND the corresponding `disk_quota` resolves to a non-zero value. Setting `web_disk_quota=0` (or `mail_disk_quota=0`) via the *Web/Mail* tab or via a WHMCS Configurable Option behaves exactly like un-ticking the box here — the role is skipped entirely.

- Provisioner skips `createPackage` / `createuser` / `addDomain` for the disabled role.
- Client area hides the matching tabs (*Mailboxes* / *Databases* / *FTP* / *Cron* / *Web settings* / *Custom SSL* / *Backups*) and dashboard cards.
- Admin inline panel skips role-specific pills.
- DNS is never gated — DNS records are managed locally regardless of which Hestia roles are active. If the server group has no DNS servers attached, DNS provisioning is silently skipped.

At least one of *Web* / *Mail* must be ticked — provisioning errors otherwise.

The configuration lives on a row of sub-tabs: **General** · **Web limits** · **Mail limits** · **DNS limits** · **Client** · **Email** · **Config options** (in Vanity mode the limits tabs collapse to a single **Vanity limits** tab).

## General — roles & deployment mode

On **General** you pick which **roles** the package includes (tick **Web / Mail / DNS**) and the **Deployment mode** (**Split / Unified / Vanity** — see **Deployment & Segmentation** → **Deployment models**).

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General Vanity limits Client Email Config options

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Server Group (addon side) \*  
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At least one of *Web / Mail* must be ticked — provisioning errors otherwise.

# Limits — what the customer gets

The **Web / Mail / DNS limits** tabs define the Hestia package quotas and the module-local caps for each ticked role. Every field maps to a **Configurable Option override key** (e.g. `web_disk_quota`) so you can offer upgradeable tiers.

- Web limits** — disk, bandwidth, cron jobs, backups kept, max subdomains (`WEB_ALIASES`), max databases, max FTP accounts, default PHP version, auto-install Let's Encrypt.

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General Web limits Mail limits DNS limits Client Email Config options

**Hestia package quotas**

**Disk quota (MB) DISK\_QUOTA**:   
0 = role disabled (acts like un-ticking *Web* in General). Configurable Option override: `web_disk_quota`.

**Bandwidth (MB / month) BANDWIDTH**:   
Outgoing traffic. 0 = unlimited. Configurable Option override: `web_bandwidth`.

**Cron jobs CRON\_JOBS**:   
0 = unlimited. Configurable Option override: `web_cron_jobs`.

**Backups kept BACKUPS**:   
0 = backups disabled. Configurable Option override: `web_backups`.

**Incremental backups BACKUPS\_INCREMENTAL**

**Max subdomains WEB\_ALIASES**:   
Aliases / subdomains under the main web domain. Sets Hestia `WEB_ALIASES`. 0 = none.

**Max databases DATABASES**:   
Configurable Option override: `web_databases`.

**Module-local limits**  
Enforced by client-area CRUD (our DB tables) — not pushed to Hestia.

**Max FTP accounts**:   
Configurable Option override: `web_ftp_accounts`.

**Default PHP version**:

Auto-install Let's Encrypt on account create

- **Mail limits** — mail disk, mail accounts, outbound rate limit/hour, mail backups (independent of web), max forwarders, max aliases, autoresponders/spam-filter.

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**Hestia package quotas**

**Disk quota (MB) DISK\_QUOTA**:   
0 = role disabled (acts like un-ticking *Mail* in General). Configurable Option override: `mail_disk_quota`.

**Mail accounts MAIL\_ACCOUNTS**:   
Configurable Option override: `mail_accounts`.

**Rate limit (email / hour) RATE\_LIMIT**:   
Outgoing emails per mailbox per hour. 0 = unlimited.

**Backups kept BACKUPS**:   
0 = backups disabled. Independent from web backups. Configurable Option override: `mail_backups`.

**Incremental backups BACKUPS\_INCREMENTAL**

**Module-local limits**  
Enforced in our DB tables — not part of Hestia's package.

**Max forwarders**:

**Max aliases**:

Autoresponders enabled  Spam filter enabled

- **DNS limits** — max DNS records, DNS disk quota, default TTL, and the **allowed record types** the customer may use (A, AAAA, CNAME, MX, TXT, NS, SRV, CAA, PTR, DNSKEY, DS, NAPTR, TLSA — on both HestiaCP BIND and PowerDNS).

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 Server Group: None

License key: [input]  
 success: License check disabled (DEV)

General Web limits Mail limits DNS limits Client Email Config options

Max DNS records DNS\_RECORDS: 500  
 0 = unlimited. Configurable Option override: [dns\\_records](#).

Disk quota (MB) DISK\_QUOTA: 256  
 DNS user disk allowance for zone files.

Default TTL (seconds): 3600

Allowed record types (CSV)  
 A, AAAA, CNAME, MX, TXT, NS, SRV, CAA, PTR, DNSKEY, DS, NAPTR, TLSA  
Comma-separated subset of supported types. Customers see ONLY the types listed here in the client-area record editor.  
Copy-paste full list: [A, AAAA, CNAME, MX, TXT, NS, SRV, CAA, PTR, DNSKEY, DS, NAPTR, TLSA](#)

Supported by both DNS backends (HestiaCP BIND + PowerDNS): A IPv4 · AAAA IPv6 · CNAME alias · NS nameserver · MX mail server · TXT free-form text (SPF/DKIM/DMARC/verification) · SRV service location · CAA certificate-authority authorization · PTR reverse-DNS pointer · DNSKEY DNSSEC public key · DS DNSSEC delegation signer · NAPTR naming-authority pointer (ENUM/SIP) · TLSA TLS certificate association (DANE).

“ Setting a role's disk quota to `0` disables that role for the product (the same as un-ticking it on General).

# Client — what the customer can do

The **Client** tab is a set of toggles controlling which client-area pages/actions are visible — create/delete mailbox, change password, create database/FTP, edit DNS, install SSL, manage cron, web settings, backups, view logs, client-side redeploy, file-manager & webmail SSO. Untick to hide.

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License key: [input]  
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Toggles controlling which client-area pages/actions are visible. Unchecked = hidden.

<b>Mail</b> <input checked="" type="checkbox"/> Create mailbox <input checked="" type="checkbox"/> Delete mailbox <input checked="" type="checkbox"/> Change mailbox password <input type="checkbox"/> Mailbox settings — forwards / auto-responder <small>VANITY</small> <input checked="" type="checkbox"/> Webmail SSO link <small>For Vanity products the client gets a single fixed mailbox; "Create / Delete mailbox" don't apply — use "Mailbox settings" + "Change password".</small>	<b>Storage</b> <input checked="" type="checkbox"/> Create database <input checked="" type="checkbox"/> Delete database <input checked="" type="checkbox"/> Create FTP account <input checked="" type="checkbox"/> File manager SSO link	<b>DNS / SSL / Misc</b> <input checked="" type="checkbox"/> Edit DNS records <input checked="" type="checkbox"/> Allow external-DNS mode (skip our nameservers) <input checked="" type="checkbox"/> Install SSL certificates <input checked="" type="checkbox"/> Manage cron jobs <input checked="" type="checkbox"/> Web settings (PHP backend template, HTTPS redirect) <input checked="" type="checkbox"/> Backups (list / create / delete / restore) <input checked="" type="checkbox"/> View server logs (apache access/error, exim main) <input checked="" type="checkbox"/> Client-side redeploy
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# Email — lifecycle emails

The **Email** tab maps a WHMCS email template to each module event (Account Ready, Deploy Failed, Mailbox/Database/FTP/Backup Created, SSL Installed, SSL Expiring 14/3, Quota Warning 80/Exceeded, DNS Zone Deployed, Backup Restored/Failed). Leave an event blank to disable it.

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[General](#) [Web limits](#) [Mail limits](#) [DNS limits](#) [Client](#) [Email](#) [Config options](#)

Pick which WHMCS email template is sent for each event. Leave blank to disable.

<b>Account Ready</b> —	<b>Deploy Failed</b> —	<b>Mailbox Created</b> —
<b>Database Created</b> —	<b>Ssl Installed</b> —	<b>Ssl Expiring 14</b> —
<b>Ssl Expiring 3</b> —	<b>Quota Warning 80</b> —	<b>Quota Exceeded</b> —
<b>Dns Zone Deployed</b> —	<b>Ftp Created</b> —	<b>Backup Created</b> —
<b>Backup Restored</b> —	<b>Backup Failed</b> —	

# Config options — wire up WHMCS

Finally, open **Config options** and click **Create / sync missing**. The module reads its per-order limits from WHMCS **Configurable Options**; this button creates exactly the ones the product needs (it's safe to run repeatedly — existing options and values are never changed).

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**Configurable Options**  
The module reads its per-order limits (and, in Vanity, the parent domain) from WHMCS Configurable Options, and the customer's name (Vanity) from a product Custom Field `vanity_name`. This creates the ones this product needs — found by name, missing ones added. Safe to run any number of times; existing options and values are never changed. Prices start at 0 — tune them under *Configurable Options* afterwards. The set shown depends on the Deployment mode + ticked roles above; for Vanity, the `vanity_domain` values come from the group's Vanity domains.

[Create / sync missing](#) [Refresh](#)

Option	Key	Source	Status	Default values
Web disk	<code>web_disk_quota</code>	static	MISSING	1024 1 GB, 2048 2 GB, 5120 5 GB, 10240 10 GB, 20480 20 GB
Web bandwidth	<code>web_bandwidth</code>	static	MISSING	0 Unlimited, 51200 50 GB, 102400 100 GB, 512000 500 GB
Databases	<code>web_databases</code>	static	MISSING	1 1, 5 5, 10 10, 25 25
FTP accounts	<code>web_ftp_accounts</code>	static	MISSING	1 1, 5 5, 10 10
Cron jobs	<code>web_cron_jobs</code>	static	MISSING	5 5, 10 10, 25 25
Web backups	<code>web_backups</code>	static	MISSING	0 None, 3 3, 7 7
Mail disk	<code>mail_disk_quota</code>	static	MISSING	1024 1 GB, 2048 2 GB, 5120 5 GB, 10240 10 GB
Mailboxes	<code>mail_accounts</code>	static	MISSING	1 1, 5 5, 10 10, 25 25
Mail backups	<code>mail_backups</code>	static	MISSING	0 None, 3 3, 7 7
DNS records	<code>dns_records</code>	static	MISSING	25 25, 50 50, 100 100, 250 250

After syncing they show **COMPLETE**:

Details Pricing **Module Settings** Custom Fields Configurable Options Upgrades Free Domain Cross-sells Other Links

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General Web limits Mail limits DNS limits Client Email **Config options**

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[Create / sync missing](#) [Refresh](#) Created 10 option(s) + 37 value(s) + 0 custom field(s).

Option	Key	Source	Status	Default values
Web disk	<code>web_disk_quota</code>	static	COMPLETE-5/5	1024 1 GB, 2048 2 GB, 5120 5 GB, 10240 10 GB, 20480 20 GB
Web bandwidth	<code>web_bandwidth</code>	static	COMPLETE-4/4	0 Unlimited, 51200 50 GB, 102400 100 GB, 512000 500 GB
Databases	<code>web_databases</code>	static	COMPLETE-4/4	1 1, 5 5, 10 10, 25 25
FTP accounts	<code>web_ftp_accounts</code>	static	COMPLETE-3/3	1 1, 5 5, 10 10
Cron jobs	<code>web_cron_jobs</code>	static	COMPLETE-3/3	5 5, 10 10, 25 25
Web backups	<code>web_backups</code>	static	COMPLETE-3/3	0 None, 3 3, 7 7
Mail disk	<code>mail_disk_quota</code>	static	COMPLETE-4/4	1024 1 GB, 2048 2 GB, 5120 5 GB, 10240 10 GB
Mailboxes	<code>mail_accounts</code>	static	COMPLETE-4/4	1 1, 5 5, 10 10, 25 25
Mail backups	<code>mail_backups</code>	static	COMPLETE-3/3	0 None, 3 3, 7 7
DNS records	<code>dns_records</code>	static	COMPLETE-4/4	25 25, 50 50, 100 100, 250 250

[Back to Advanced Mode](#)

Tune the **prices** afterwards under WHMCS *Configurable Options*. The product is now ready to order.

“ For a **Vanity** product the limits and config-options are different (Website/Mailbox quota + the `vanity_domain` option + `vanity_name` custom field). See **Vanity Mode → The vanity product**.

Revision #4

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