

# Deployment Models (Split · Unified · Vanity)

## PUQ Web Hosting module **WHMCS**

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Every product you sell has a **Deployment mode** set on the product's *Module Settings* → *General* tab. It decides **how many HestiaCP accounts** back each service and **where** the web, mail and DNS roles live. This is the single most important product decision.

The screenshot shows the WHMCS interface for the 'PUQ Web Hosting' module. The 'General' tab is selected, showing the 'Deployment mode' section. Three modes are available: 'Split' (one Hestia user per role), 'Unified' (single Hestia user holds web + mail), and 'Vanity' (sell name.<your-domain> sites + name@<your-domain> mailboxes on a domain YOU own). The 'Vanity' mode is currently selected. Below the mode selection, there is a detailed explanation of how role gating works, including a list of provisioning actions that are skipped for disabled roles.

**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* / *addomain* 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 three modes

Mode	Hestia accounts per service	Best for
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<b>Split</b>	A <b>separate Hestia user per role</b> — one web user, one mail user, one DNS user (each can live on a different server).	Classic shared/business hosting where you want maximum isolation and the freedom to put web, mail and DNS on different, independently-scaled servers.
<b>Unified</b>	<b>One Hestia user</b> holds web <b>and</b> mail (and local DNS) for the service.	Simpler, denser, cheaper hosting where web and mail naturally live together on one node.
<b>Vanity</b>	A <b>per-service web user</b> for one subdomain + <b>one mailbox</b> on your <b>shared provider</b> mail account.	Selling <code> name.yourdomain.com </code> websites and <code> name@yourdomain.com </code> mailboxes on a domain <i>you</i> own — see the dedicated <b>Vanity Mode</b> chapter.

# Split deployment

In Split mode the module provisions up to three independent HestiaCP users for the service — for example `|customer-com-web|`, `|customer-com-mail|` and `|customer-com-dns|`. Each is placed on a server that has the matching capability, so the **website**, the **mailboxes** and the **DNS zone** can sit on completely different machines.

The admin service panel shows this clearly — a **Web & DNS** card and a separate **Mail** card, each with its own Hestia user, server and certificate:

The screenshot displays the HestiaCP admin interface for the domain `test.puq.info`. It features two main service cards: 'WEB & DNS' and 'MAIL'. The 'WEB & DNS' card shows configuration for a web service (isp-web02-test.uuq.pl) and DNS services (isp-ns1-test.uuq.pl, isp-ns2-test.uuq.pl), along with SSL status (456 fails) and resource usage (Web disk, bandwidth, DNS records, Databases, FTP, Cron jobs, Web backups). The 'MAIL' card shows configuration for a mail service (isp-mx01-test.uuq.pl) and DNS (mail.test.puq.info, webmail.test.puq.info), with SSL status (467 fails) and resource usage (Mail disk, Mail accounts, Mail backups).

Below the service cards is a navigation menu with options: Overview, Web settings, SSL, FTP (1), Databases, DNS (25), Mailboxes, Cron, Backups (20), Deploy (0), Tasks, and Logs. The 'Databases' section is active, showing a table with columns: ID, Name, User, Engine, Charset, Status, Created, and Error. The table is currently empty, displaying 'No data available in table' and 'Showing 0 to 0 of 0 entries'.

At the bottom, there is an 'Addons' section with a table header: Reg Date, Name, Pricing, Status, Next Due Date. The table is empty, displaying 'No Records Found'.

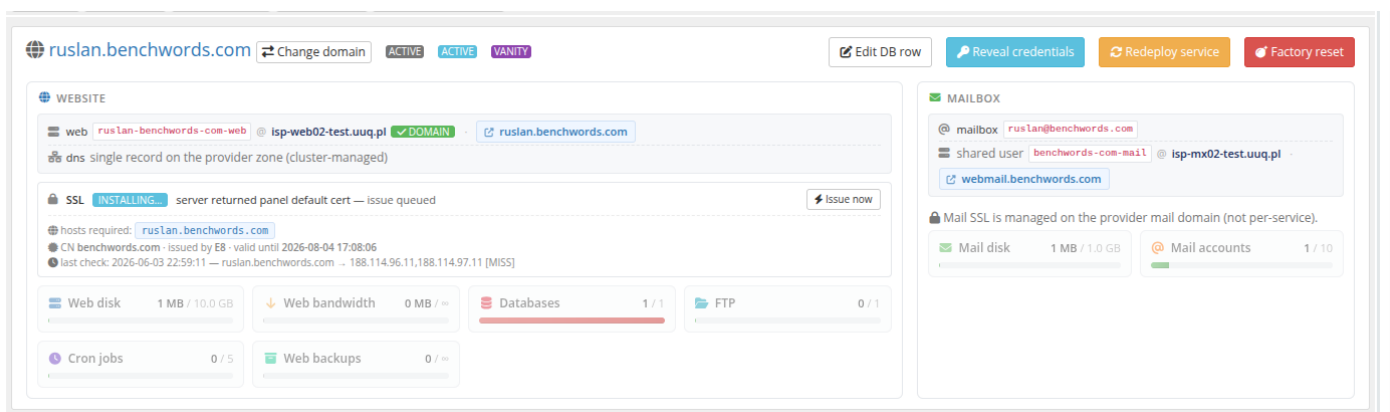
Split is the mode to choose when you want to **segment your fleet by role** (the next page) and keep mailboxes off your web servers.

## Unified deployment

In Unified mode a single Hestia user owns the website and the mailboxes, so web and mail are always co-located. There is no separate mail user to manage. Unified products use a single combined account package and a single set of backups (`role = all`). Choose Unified when you run general-purpose nodes that do both jobs and you want fewer accounts to manage.

## Vanity deployment

Vanity is a different business model rather than a different server layout: you own a domain (e.g. `benchwords.com`) and sell **slots** on it. Each order becomes `name.benchwords.com` (a normal per-service web account) plus `name@benchwords.com` (one mailbox on your **shared** provider mail user). The parent domain, its DNS zone and the provider mail account are **never** modified per order — the model is destructive-safe by design.



Vanity has its own chapter because the setup (sellable parent domains, reserved names, the order flow and a drop-anywhere shop widget) is substantial — see **Vanity Mode**.

## Which roles does a product include?

Independently of the mode, the product's *General* tab lets you tick which **roles** the package includes — **Web, Mail, DNS**. Unticking a role (or setting its disk quota to `0` in the limits tab) simply omits it. For example, a "mail-only" product ticks Mail and leaves Web off; a "website-only" product ticks Web and DNS.

The limits for each ticked role are configured on the matching *Web limits / Mail limits / DNS limits* tab (or the single *Vanity limits* tab in Vanity mode) — see **Installation & Configuration** → **Create a product**.

“ **Rule of thumb:** Split = isolation + segmentation; Unified = density + simplicity; Vanity = a productised "personal site + email" offer on your own domain. You can sell all three side-by-side — they coexist on the same servers.

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