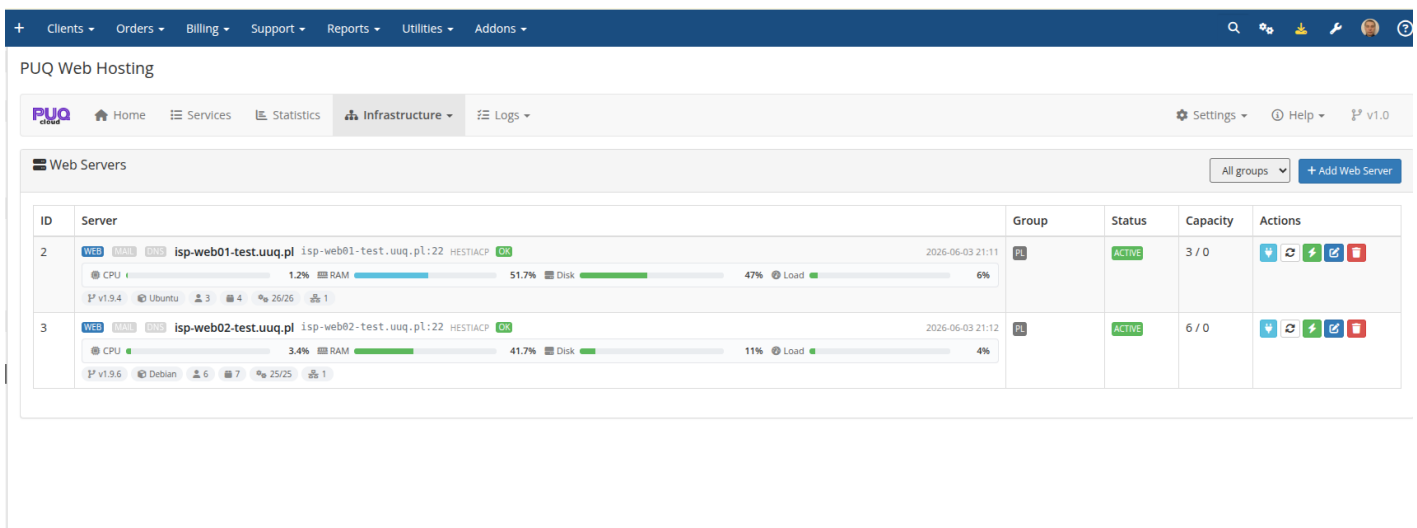


# Add Web / Mail / DNS Servers

## PUQ Web Hosting module **WHMCS**

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Your fleet is managed under **Infrastructure**. The same physical servers appear under **Web Servers**, **Mail Servers** and **DNS Servers** filtered by the capabilities you give them.



The screenshot shows the PUQ Web Hosting interface. At the top, there is a navigation bar with menus for Clients, Orders, Billing, Support, Reports, Utilities, and Addons. Below this is a sub-navigation bar with Home, Services, Statistics, Infrastructure (selected), and Logs. The main content area is titled 'Web Servers' and contains a table with the following columns: ID, Server, Group, Status, Capacity, and Actions. Two servers are listed:

ID	Server	Group	Status	Capacity	Actions
2	isp-web01-test.uuq.pl isp-web01-test.uuq.pl:22 HESTIACP OK v1.9.4 Ubuntu 3 4 % 26/25 1 1.2% CPU 51.7% RAM 47% Disk 6% Load	PL	ACTIVE	3 / 0	[Down Arrow] [Refresh] [Up Arrow] [Share] [Stop]
3	isp-web02-test.uuq.pl isp-web02-test.uuq.pl:22 HESTIACP OK v1.9.6 Debian 6 7 % 25/25 1 3.4% CPU 41.7% RAM 11% Disk 4% Load	PL	ACTIVE	6 / 0	[Down Arrow] [Refresh] [Up Arrow] [Share] [Stop]

Each row shows live **CPU / RAM / Disk / Load**, the Hestia version & OS, the panel-OK indicator, the group, the capacity used/max and the row actions. A green **OK** means the SSH/panel probe succeeded.

## Add a server

Click **Add Web Server** (or Mail/DNS — they open the same editor) and fill in the connection details:

The OPcache PHP extension is enabled. This extension can cause problems with cached data use and PHP script execution in WHMCS. We recommend disabling OPcache. [Learn More](#)

PUQ Web Hosting

Web Servers

ID	Server
2	isp-web01-test.uuq.pl
3	isp-web02-test.uuq.pl

### Edit Web Server

**Capabilities \***  
 Web  Mail  DNS  
 Tick every role this physical server is provisioned for. Unified-deployment products need a server with both Web and Mail ticked. PowerDNS supports DNS only.

**Driver \*** hestiacp **Status** active

**Name \*** isp-web01-test.uuq.pl **Group** pl

**Hostname \*** isp-web01-test.uuq.pl **IP \*** 77.87.125.156 **SSH port** 22

**SSH username \*** admin **SSH auth method \***  Password  Private key

Either `root` (recommended), or any user with full passwordless sudo (`NOPASSWD: ALL`).

**SSH password**  
leave blank to keep existing

**Requirements on the HestiaCP server:**

- SSH access enabled on port `22` (or custom port above).
- SSH user can log in via password or private key.
- FULL passwordless sudo is required.** The module runs both Hestia `v-*` commands and system probes (`df`, `/proc/*`, custom scripts) — partial `NOPASSWD` scoped only to `/usr/local/hestia/bin/*` is not enough.

Two ways to satisfy this:

- (a) SSH as `root` — easiest, no sudoers config needed. The module auto-detects `uid=0` and skips `sudo` entirely.
- (b) Use a sudoer user — create `/etc/sudoers.d/puq-webhosting` on the Hestia server:

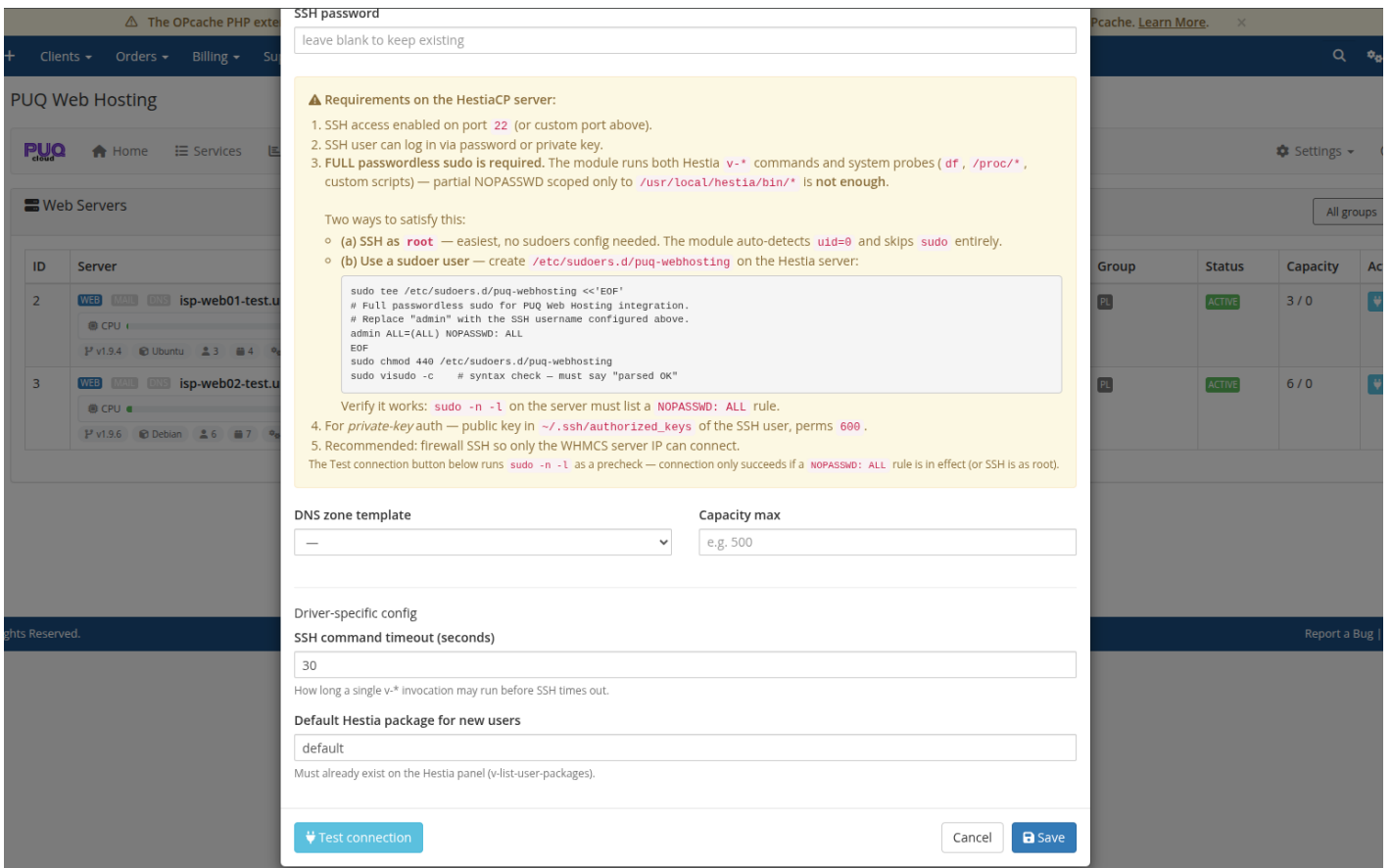
```
sudo tee /etc/sudoers.d/puq-webhosting <<'EOF'
# Full passwordless sudo for PUQ Web Hosting integration.
# Replace "admin" with the SSH username configured above.
admin ALL=(ALL) NOPASSWD: ALL
EOF
sudo chmod 440 /etc/sudoers.d/puq-webhosting
sudo visudo -c # syntax check - must say "parsed OK"
```

Verify it works: `sudo -n -l` on the server must list a `NOPASSWD: ALL` rule.

4. For `private-key` auth — public key in `~/.ssh/authorized_keys` of the SSH user, perms `600`.

Field	Notes
<b>Capabilities</b>	Tick <b>Web</b> , <b>Mail</b> , <b>DNS</b> — one, two or all three. This decides which pools the node appears in and which roles can be placed on it.
<b>Driver</b>	<code>HestiaCP</code> (or <code>PowerDNS</code> for a DNS-only node).
<b>Status</b>	<code>active</code> to use it.
<b>Hostname / IP / SSH port</b>	The SSH endpoint.
<b>SSH auth</b>	Password or private key.

Lower in the editor you set per-server defaults:



- **DNS zone template** — the template used for zones created on/for this node.
- **Capacity max** — soft capacity used for least-loaded placement.
- **SSH command timeout** — override for slow nodes.
- **Default Hestia package** for new users.

Use **Test connection** before saving; the row will then show **OK** and start reporting live stats.

# Capabilities = your topology

How you tick capabilities **is** your segmentation plan:

- **One node, all roles** → tick Web + Mail + DNS on a single server (great for starting out).
- **Web/mail split** → some nodes tick **Web** only, dedicated nodes tick **Mail** only.
- **Three tiers** → separate Web, Mail and **DNS** (nameserver) pools.

PUQ Web Hosting

Mail Servers

ID	Server	Group	Status	Capacity	Actions
8	 isp-mx01-test.uuq.pl   2026-06-03 21:12	PL	ACTIVE	4 / 0	[Actions]
9	 isp-mx02-test.uuq.pl   2026-06-03 21:12	PL	ACTIVE	2 / 0	[Actions]

DNS servers are a special case — they are **independent** and attached to groups (one DNS server can serve many groups). The DNS Servers page reminds you of this:

PUQ Web Hosting

DNS Servers

DNS servers are independent — attach them to groups from Group → DNS servers tab. One DNS server can serve many groups.

ID	Server	Status	Actions
10	 isp-ns1-test.uuq.pl   2026-06-03 21:12	ACTIVE	[Actions]
11	 isp-ns2-test.uuq.pl   2026-06-03 21:12	ACTIVE	[Actions]

“ See **Deployment & Segmentation → Server segmentation** for the full reasoning and the role-targeted configuration that goes with these capabilities. The next page groups these servers so a product can sell from them.

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