

# Product Configuration

## Hetzner Datacenter module **WHMCS**

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### Add new product to WHMCS

System Settings → Products/Services → Create a New Product

In the **Module settings** section, select the "**PUQ Hetzner Datacenter**" module.



Module Name: PUQ Hetzner Datacenter  
 Server Group: Hetzner Datacenter

License key: License status

Parameters for package: hestiacp

Server name: Name server this option will allow you to add a id string to the server name. A new name will be generated each time the create account function is called. Where NameServer will only be present if the field is set: `nameserver-["server_id"]-["service_id"]`

Server type: CPX11 Server type

Server location: FSN1 Server location

Server placement groups: PRIVATE\_WEB (SPREAD) Server placement groups

Server image: Server image

SSH keys: IT@PUQ.PL, IT@HOSTMI.COM SSH keys

Server networks: Server networks

Server firewalls: HESTIACP, FIREWALL-2 Server firewalls

```
#cloud-config
package_update: true
package_upgrade: true

write_files:
- path: /root/hestia_install.sh
  content: |
    #!/bin/bash

    # Define variables
    HESTIA_INSTALL_SCRIPT="/root/ht-install.sh"
    LOG_FILE="/root/ht_install_log"
    HESTIA_PASSWORD="${Password}"
    HESTIA_HOSTNAME="${Hostname (Domain)}"
    HESTIA_EMAIL="${Clientemail}"

    # Download Hestia install script
    wget https://raw.githubusercontent.com/hestiacp/hestiacp/release/install/ht-install.sh -O $HESTIA_INSTALL_SCRIPT
    if [ -f $HESTIA_INSTALL_SCRIPT ]; then

Available variables:
$(username) - Username from the service
$(password) - Password from the service
$(hostname) - Domain name from the service
$(nameserver_1_server) - Nameserver 1 from the server options
$(nameserver_2_server) - Nameserver 2 from the server options
$(nameserver_1_service) - Nameserver 1 from the service options
$(nameserver_2_service) - Nameserver 2 from the service options
$(clientemail) - Client email
Available variables from the service configurable options:
$(operating_system)
$(bitninja)
Available variables from the service custom fields:
$(password2)
$(hostname (domain))
Cloud-Init user data to use during Server creation. This field is limited to 32KiB.
```

Hide PTR open record:  Hide PTR open record. When the checkbox is checked, it hides the button.

Not allow access to noVNC:  Not allow access to server on noVNC. This setting prohibits access to the server console if enabled.

Not allow access to Charts:  Not allow access to server charts. This setting prohibits access to the server charts if enabled.

Not allow reset password:  Not allow reset password. This setting prohibits access to the server charts if enabled.

Backup:  Allow access to server backup. This parameter allows access to server backup; below you need to select the name of the custom field. (Important! The field must be yes/no checkbox)  
 Backup  
 Custom option name for server backup. Select the name of the option that will determine the backup for the user.

Snapshot:  Allow access to server snapshot. This setting allows access to the server snapshot if enabled.  
 Save all snapshots created by the user in case of server deletion. This option will save all snapshots created by the user when the "Terminate services" option is enabled. This means that the virtual machine will be deleted, but the snapshots will still be saved and available in your Hetzner panel. You can delete them manually or restore the virtual machine for the user. Please note that after deleting the virtual machine, the snapshots will no longer be available to the user in the reinstall section.

Server labels: Server labels. The user\_id and service\_id fields with the corresponding values will be automatically added.  
 Server: HestiaCP

Hide inputs on client area:  Hide inputs on client area. This setting hides the inputs (domain, password, username, nameserver1, nameserver2 and all Set up a server labels) on the client area if enabled.  
 Hostname (Domain)

Username as root:  Username as root. This setting allows the username to be set as root if enabled.

Firewall for suspend service: Shutdown virtual machine  
 This setting allows you to select a firewall to be used for suspending the service or disable the VM.

Link to instruction: https://doc.puq.info/books/wireguard-vpn-1  
 A link to the instruction will be reflected in the client area.

Step 1: Choose server type and location

Select Server and Location

cp11 - x86 - 2 Cores - 2 GB - 40 GB  
 fsn1 - Falkenstein DC Park 1

Attribute	Value
ID	22
Name	cp11
Description	CPX 11
Cores	2
Memory	2 GB
Disk	40 GB
CPU Type	shared
Storage Type	local
Architecture	x86
Included Traffic	20 TB
Location	fsn1
Price Hourly (Net)	0.0063 EUR
Price Hourly (Gross)	0.0063 EUR
Price Monthly (Net)	3.85 EUR
Price Monthly (Gross)	3.85 EUR

Automatic price generation - How it works?

Base price: Price Monthly (Gross) - 3.85 EUR  
 Percentage: 20.00

Preview (EUR, monthly): 4.62

Automatically apply price daily

Select currencies:  PLN  EUR  UAH  USD

Select periods:  Monthly  Quarterly  Semiannually  Annually  Biennially  Triennially

Apply Bulk Pricing

Currency	Period	Price
PLN	monthly	19.68
PLN	quarterly	59.02
PLN	semiannually	118.03
PLN	annually	236.05
PLN	biennially	472.09
PLN	triennially	708.13
EUR	monthly	4.62
EUR	quarterly	13.86
EUR	semiannually	27.72
EUR	annually	55.44
EUR	biennially	110.88
EUR	triennially	166.32
UAH	monthly	223.67
UAH	quarterly	671.01
UAH	semiannually	1342.02
UAH	annually	2684.04
UAH	biennially	5368.08
UAH	triennially	8052.12
USD	monthly	5.43
USD	quarterly	16.29
USD	semiannually	32.58
USD	annually	65.16
USD	biennially	130.32
USD	triennially	195.48

Step 2: Choose deployment image and configure access, group name and SSH keys

Select Image

Show Backups  Show Snapshots

System: debian-11 - Debian 11

Attribute	Value
id	45557056
Name	debian-11
Architecture	x86
Created	16.08.2021, 11:12 UTC
Description	Debian 11
Disk Size	5
Os Flavor	debian
Os Version	11
Protection	Delete: false
Rapid Deploy	true
Status	available
Type	system

Do not use (selected image will be used)

Custom option name for image. Select the name of the option that will define the image displayed to the user when the service is deployed.

Allow user to select ISO image.  
 If you enable this option, the user will be able to select the attached ISO image you have allowed.

Allow user to reinstall service. If you enable this option, the user will be able to reinstall the service.

Allow user to choose backup and snapshot when reinstalling service. If you enable this option, the user will be able to select backups and snapshots during the service reinstallation process. (Important! Each user only gets access to their backups and snapshots based on the user's services)

Select Placement Group:  private\_web (spread)  private\_mail (spread)  private\_cloud (spread)

Select SSH Keys:  it@puq.pl  it@hostmi.com

Step 3: Choose networks and firewalls

Important! It is necessary that at least one of the networks is enabled for successful server deployment. Choose from network options for your server. You can also create servers without a public network. If you want to disable a public network, you must first select a private network.

Public Networks:  Public IPv4. If you want to disable a public network, you must first select a private network.  Public IPv6. If you want to disable a public network, you must first select a private network.

Private Networks:  network-10-22 (10.22.0/16)  1111111111 (10.1.0.0/16)

Select Firewalls:  hestiacp  firewall-2  for suspend

# Package Settings

**License key:** A pre-purchased license key for the "PUQ Hetzner Datacenter" module. The key must be active.

**Server name:** Adds a prefix to the generated server name. A new name is generated on create. Format: `NameServer-[*user_id*]-[*service_id*]`.

**Server type:** Type of server to deploy. Auto-filled from the *Select Server and Location* panel.

**Server location:** Physical location. Auto-filled from *Select Server and Location*.

**Server placement groups:** Placement group for the server. Auto-filled from *Select Placement Group*.

**Server image:** OS image to use. Auto-filled from *Select Image*.

**SSH keys:** Keys for server access. Auto-filled from *Select SSH Keys*.

**Server networks:** Networks to attach. Auto-filled from *Private Networks*.

**Server firewalls:** Firewall profiles to apply. Auto-filled from *Select Firewalls*.

**User data:** Custom cloud-init or init script used during server creation (limit 32KB).

**Package setting:** Additional options:

- **Hide PTR open record:** Hides PTR control button.
- **Not allow access to server on VNC/NC:** Blocks access to the server console.
- **Not allow access to Charts:** Hides resource charts.
- **Not allow reset password:** Disables password reset.
- **Backup:** Allows access to server backups (select the custom field name; default: *Backup*).
- **Snapshot:** Allows access to server snapshots.
- **Server labels:** Adds labels; `[user_id]` and `[service_id]` are added automatically.
- **Hide inputs on client area:** Hides inputs (domain, password, username, nameserver1/2) and sets server label(s).
- **Username as root:** Use `[root]` as the administrative username (or keep image defaults).
- **Firewall for suspend service:** Select a firewall profile used when suspending the service (or disabling the VM).
- **Link to instruction:** A documentation link shown in the client area.

## Automatic Pricing & Rounding (UI)

The right-hand panel includes a new **Automatic Pricing UI** for consistent price management.

- **Base price (Net/Gross):** Displays Hetzner base price; choose Net or Gross.

- **Percentage margin:** Set a markup applied to Hetzner base price.
- **Automatic price generation - How it works?** Collapsible help explaining rules and examples.
- **Select currencies:** Bulk select one or multiple currencies.
- **Select periods:** Bulk select billing cycles (Hourly, Monthly, Quarterly, Semi-Annually, Annually, Biennially).
- **Preview table:** Live recalculation per currency and period before applying.
- **Apply Bulk Pricing:** Writes or creates `[tblpricing]` rows according to selection.
- **Automatically apply price daily:** Enables cron-based daily sync using saved configuration.
- **Rounding policy:** Always round *up* to ISO-4217 minor units (0/2/3 decimals). Monthly price is rounded first; then multiplied by the period factor and rounded again. JS preview and server-side logic are identical.
- **Currency source:** Uses Hetzner Cloud API `[/pricing.currency]` (not hard-coded EUR).
- **Expanded server dropdowns:** Server selectors show *name - architecture - cores - memory - disk*.

## API Settings

**Select Server and Location:** Choose server type and region from Hetzner's catalog (Step 1).

**Select Image:** Choose OS image or snapshot (Step 2).

**Custom option name for image:** (Optional) Provide a custom option label for the image selector.

**Allow user to select ISO image:** Let users choose an ISO for boot/install.

**Allow user to reinstall service:** Enables one-click reinstall from the client area.

**Allow user to choose backup and snapshot when reinstalling service:** Allow selecting a backup/snapshot during reinstall.

**Select Placement Group:** Pick a placement group for spreading/affinity (Step 2/3).

**Select SSH Keys:** Choose keys for access.

**Public Networks:** Enable/disable public IPv4/IPv6.

**Private Networks:** Attach private networks.

**Select Firewalls:** Choose firewall rules to apply.

## Admin Tools for Stock Management

- **Clear and Reset:** Button in the product configuration that restores `[stockcontrol]` and `[qty]` to saved values.
- **Restore saved stockcontrol:** Internal action that recovers data from the stored record

and removes the obsolete entry. Actions are logged (*input, not\_found, updated\_product, deleted\_saved, done, error*).

## Email configuration:

Choose pre-built templates to notify users about actions:

- **Custom Welcome Email**
- **Custom start stop service Email**
- **Custom reset server password Email**
- **Custom snapshot action Email**
- **Custom backup action Email**
- **Custom ISO action Email**
- **Custom reinstall action service Email**

## Metric Billing:

- **Floating IPv4 addresses:** Configure pricing.
- **Floating IPv6 addresses:** Configure pricing.
- **Bandwidth Usage (GB):** Configure pricing.
- **Snapshot Usage (GB):** Configure pricing.

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