

# Admin Area

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# Product Information

## Hetzner Datacenter module **WHMCS**

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The "Product Information" section is a comprehensive dashboard that provides administrators with detailed information and control over a specific product or service associated with a user's account. This interface is critical for managing and troubleshooting the product, as well as for making configuration changes.

### Key Elements:

#### 1. Order Information:

- **Order #:** Displays the order number and provides a link to view the full order details.
- **Product/Service:** Specifies the name of the product or service (e.g., "Hetzner product").
- **Server:** Indicates the data center or server instance where the product is hosted.

#### 2. User and Server Details:

- **Hostname:** The hostname assigned to the server.
- **Dedicated IP:** The public IP address assigned to the server.
- **Username:** The username associated with the server's access credentials.
- **Password:** The password field shows the encrypted password or a placeholder for the server's access credentials.
- **Status:** The current status of the service (e.g., "Active").
- **Assigned IPs:** Lists both IPv4 and IPv6 addresses assigned to the server.
- **Nameserver 1 & 2:** The nameservers associated with the product.
- **Operating System:** The operating system installed on the server (e.g., "debian-11").
- **Backup Option:** Indicates whether the backup feature is enabled or disabled (in this case, "Yes").

#### 3. Billing and Subscription Details:

- **Registration Date:** The date when the product or service was registered.
- **Quantity:** The quantity of the product or service being managed.
- **First Payment Amount:** The initial payment made for the service.
- **Recurring Amount:** The recurring cost associated with the service.
- **Next Due Date:** The next billing date for the service.
- **Termination Date:** If applicable, the date when the service is scheduled to be terminated.

- **Billing Cycle:** Indicates the billing cycle for the service (e.g., "Free").
  - **Payment Method:** The payment method used for the service (e.g., "PayPal").
  - **Promotion Code:** Displays any promotion code applied to the service.
4. **Module Commands:**
- **API Connection Status:** Displays the status of the API connection, which is necessary for managing the product through automated scripts or external systems. (e.g., "API answer OK").
  - **Commands:** Provides buttons for creating, suspending, unsuspending, terminating the service, changing the package, and sending a custom welcome email.
5. **Server Status:**
- This section provides real-time status information about the server:
    - **Start/Stop:** Indicates whether the server is running or stopped.
    - **CPU, RAM, and Disk Usage:** Displays the resource usage statistics for the server.
    - **Datacenter:** Indicates the data center location.
    - **Public Network IPs:** Shows the public IPv4 and IPv6 addresses assigned to the server.
    - **Public Network DNS PTR:** Displays the PTR record for reverse DNS.
6. **Metric Statistics:**
- This section shows various usage metrics and their statuses, including:
    - **Floating IPv4/IPv6 addresses:** Whether these are enabled and their current usage.
    - **Bandwidth Usage:** The amount of bandwidth used.
    - **Snapshot Usage:** The amount of disk space used by snapshots.
  - A **Refresh Now** button allows updating the metrics to display the latest data.
7. **Addons and Additional Information:**
- **Addons:** Lists any additional services or features associated with the product.
  - **Hostname (Domain):** Displays the domain associated with the product.
  - **Password:** Shows the password or its placeholder.
  - **Subscription ID:** Identifies the subscription tied to the service.
  - **Override Auto-Suspend:** Allows the administrator to prevent the service from being automatically suspended.
  - **Auto-Terminate End of Cycle:** Provides an option to terminate the service at the end of its billing cycle.
  - **Admin Notes:** Allows the administrator to add any notes or information relevant to the management of the service.
8. **Save or Cancel Changes:**
- **Save Changes:** A purple button to save any changes made in this section.
  - **Cancel Changes:** Allows the administrator to discard any modifications and revert to the previous settings.

**IP Address Logging.** The system now includes a mechanism that automatically tracks and logs all IP address changes. Every time a new IP address is added or an existing one is removed, a note is automatically added to the **Admin Notes** section. This note includes the date, time, and details of the IP changes. This feature ensures that all changes are

documented for easy reference and auditing.

# Product configuration in WHMCS

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**License key:** A pre-purchased license key for the "PUQ Hetzner Datacenter" module. For the module to work correctly, the key must be active.

**Server name:** This option allows you to add a prefix string to the server name. A new name will be generated each time the create account function is called. When NameServer will only be present if the field is set: `NameServer-[*user_id*]-[*service_id*]`.

**Server type:** The type of server to be deployed. This is selected from the available server types provided by Hetzner. This field is automatically populated based on your selection from Select Server and Location.

**Server location:** The physical location of the server. This is selected from the available locations provided by Hetzner. This field is automatically populated based on your selection from Select Server and Location.

**Server placement groups:** The placement groups for the server. This allows you to specify how the server should be grouped within the data center. This field is automatically populated based on your selection from the Select Placement Group.

**Server image:** The operating system image to be used for the server. This is selected from the available images provided by Hetzner. This field is automatically populated based on the selection from Select Image.

**SSH keys:** The SSH keys to be used for accessing the server. You can add multiple SSH keys. This field is automatically populated based on your selection from Select SSH Keys.

**Server networks:** The networks to which the server will be connected. This field is automatically populated based on your selection from Private Networks.

**Server firewalls:** The firewall rules to be applied to the server. You can select from predefined firewall rules or create custom ones. This field is automatically populated based on your selection

from Select Firewalls.

**User data:** Custom user data to use during server creation. This field is limited to 32KB. You can use this to provide cloud-init configuration scripts or other initialization data.

**Package setting:** Additional settings for the package, including:

- **Hide PTR open record:** Hide PTR open record. When the checkbox is checked, it hides the button.
- **Not allow access to server on VNC/NC:** This setting prohibits access to the server console if enabled.
- **Not allow access to Charts:** This setting prohibits access to the server charts if enabled.
- **Not allow reset password:** This setting prohibits access to the server charts if enabled.
- **Backup:** Allow access to server backup. The parameter allows access to server backups. You need to select the name of the custom field. (Default: Backup)
- **Snapshot:** Allow access to server snapshot. The setting allows access to the server snapshot if enabled.
- **Server labels:** Add labels to the server. The user\_id and service\_id fields with the corresponding values will be automatically added.
- **Hide inputs on client area:** Hide inputs in client area. This setting hides the inputs (domain, password, username, nameserver1, and nameserver2) and sets up a server label(s) in the client area if enabled.
- **Firewall for suspend service:** This setting allows you to select a firewall to be used for suspending the service or disable the VM.
- **Link to instruction:** A link to the instruction will be reflected in the client area.

## API Settings

**Please pay attention to the order of filling in the API Settings section. Since different localizations have different networks, and some networks are not available in some localizations.**

**Select Server and Location:** Choose the server type and location from the available options provided by Hetzner.

**Select Image:** Choose the operating system image for the server from the available options provided by Hetzner.

Please note that you have the ability to deploy services based on your backup or snapshots. In this way, you can prepare a service for the client.

**Custom option name for image:** Specify a custom option name for the server image if needed.

**Custom option name for image** parameter is only triggered during service deployment. You can pass image name that you want to use for server deployment.

**Allow user to select ISO image:** Enable this option to allow users to select an ISO image.

**Allow user to reinstall service:** Enable this option to allow users to reinstall the service from the client area.

**Allow user to choose backup and snapshot when reinstalling service:** Enable this option to allow users to choose a backup and snapshot when reinstalling the service.

**Allow user to choose backup and snapshot when reinstalling service** option allows users to find their snapshots and backups in the list and reinstall the system from a snapshot or backup.

**Select Placement Group:** Choose the placement group for the server from the available options provided by Hetzner.

**Select SSH Keys:** Choose the SSH keys to be used for accessing the server from the available options provided by Hetzner.

**Public Networks:** Configure the public network settings for the server. This includes enabling or disabling public IPv4 and IPv6 addresses.

If you want to turn off public networks, you need to select at least one private network.

**Private Networks:** Configure the private network settings for the server.

**Select Firewalls:** Choose the firewall rules to be applied to the server from the available options provided by Hetzner.

**Email configuration:** Setting up email templates. Selection of pre-prepared templates to inform the user about some actions:

- **Custom Welcome Email:** Template for the welcome email.
- **Custom start stop service Email:** Template for the start/stop service email.
- **Custom reset server password Email:** Template for the reset server password email.
- **Custom snapshot action Email:** Template for the snapshot action email.
- **Custom backup action Email:** Template for the backup action email.
- **Custom ISO action Email:** Template for the ISO action email.
- **Custom reinstall action service Email:** Template for the reinstall action service email.

**Metric Billing:** Configuration for metric billing, including:

- **Floating IPv4 addresses:** Configure pricing for floating IPv4 addresses.
- **Floating IPv6 addresses:** Configure pricing for floating IPv6 addresses.
- **Bandwidth Usage (GB):** Configure pricing for bandwidth usage.
- **Snapshot Usage (GB):** Configure pricing for snapshot usage.



Module Name: PUQ Hetzner Datacenter
Server Group: Hetzner Datacenter

License key
Parameters for package:
Server name: hestiacp
Server type: CX11
Server location: HEL1
Server placement groups: PRIVATE\_WEB (SPREAD)
Server image: DEBIAN-11 - DEBIAN 11
SSH keys: IT@PUQ.PL

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

write_files:
- path: /root/hestia_install.sh
  content: |
    #!/bin/bash
    # Define variables
    HESTIA_INSTALL_SCRIPT="/root/hst-install.sh"
    LOG_FILE="/root/hst_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/hst-install.sh -O $HESTIA_INSTALL_SCRIPT
```

User data
Available variables:
\$(username) - Username from the service
\$(userpassword) - Password from the service
\$(hostname) - Domain name from the service
\$(nameserver1\_server) - Nameserver 1 from the server options
\$(nameserver2\_server) - Nameserver 2 from the server options
\$(nameserver1\_service) - Nameserver 1 from the service options
\$(nameserver2\_service) - Nameserver 2 from the service options
\$(clientemail) - Client email

Package setting
Hide PTR open record
Not allow access to noVNC
Not allow access to Charts
Not allow reset password
Backup
Snapshot
Server labels
Hide inputs on client area

Step 1: Choose server type and location

Select Server and Location
Table with columns: Attribute, Value. Includes server details like ID, Name, Cores, Memory, etc.

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

Select Image
Table with columns: Attribute, Value. Includes image details like Id, Type, Status, Name, etc.

Do not use (selected image will be used)
Custom option name for image.
Allow user to select ISO image.
Allow user to reinstall service.
Allow user to choose backup and snapshot when reinstalling service.

Select Placement Group
private\_web (spread)
private\_mail (spread)
private\_cloud (spread)
Select SSH Keys
it@puq.pl

Step 3: Choose networks and firewalls

Important! It is necessary that at least one of the networks is enabled for successful server deployment.
Public Networks
Private Networks
Select Firewalls
hestiacp
firewall-2
for suspend