Image not found or type unknown

Setup guide: WHMCS preparation and configuration

Hetzner Datacenter module **WHMCS**

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1. Download the latest version of the module.

PHP 8.X

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-HetznerDatacenter/PUQ_WHMCS-HetznerDatacenter-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-HetznerDatacenter/php74/PUQ_WHMCS-HetznerDatacenter-latest.zip
```

> All versions are available via link:
> http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-HetznerDatacenter/

2. Unzip the archive with the module

```
unzip PUQ_WHMCS-HetznerDatacenter-latest.zip
```

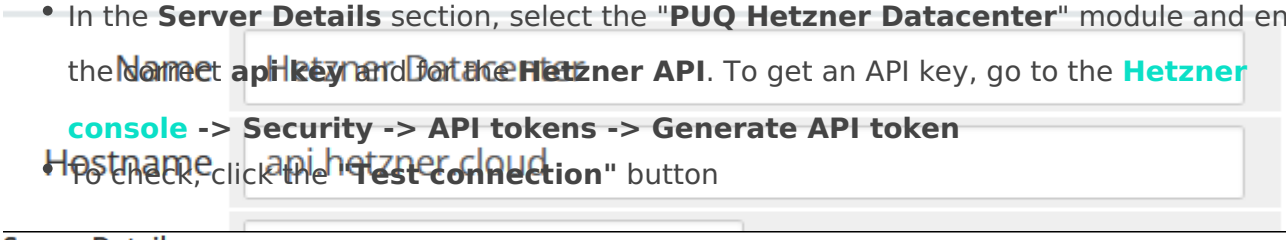
3. Copy "HetznerDatacenter" to "WHMCS_WEB_DIR/modules/servers/"

4. Create new server HetznerDatacenter in WHMCS (System Settings -

> Products/Services -> Servers)

```
System Settings->Servers->Add New Server
```

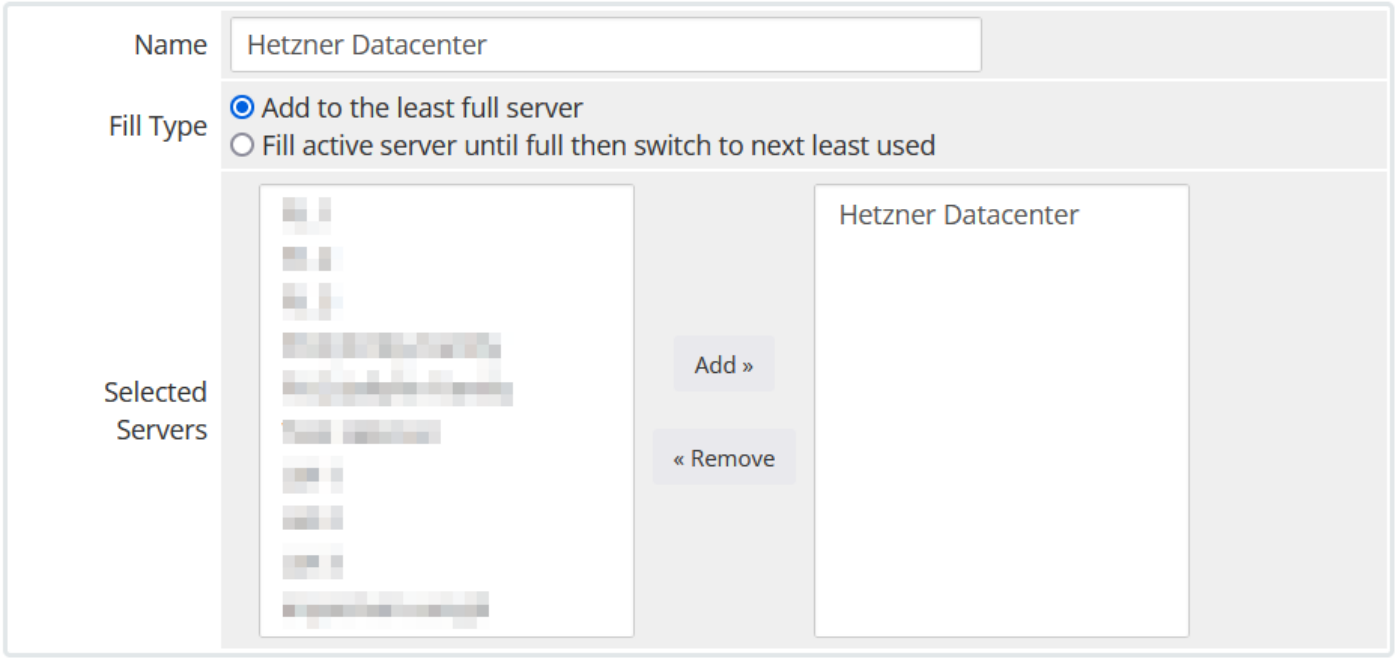
- Enter the correct **Name** and **API** url `api.hetzner.cloud`
- In the **Server Details** section, select the "**PUQ Hetzner Datacenter**" module and enter the correct **api key** and for the **Hetzner API**. To get an API key, go to the **Hetzner console** **-> Security -> API tokens -> Generate API token**
- To check, click the "**Test connection**" button



6. Create a new server Group

> For the module to work correctly, you need to create a group and add our server that we created to it. If you want to use several projects, you need to create your own server for each project and create a group and add one server to one group.

```
System Settings->Products/Services->Create New Group
```



6. Create a new Products/Services

```
System Settings->Products/Services->Create a New Product
```

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

> Please note that you need to select a group with a configured server, so we can separate services by projects in the Hetzner console

Edit Product

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

Module Name: PUQ Hetzner Datacenter

Server Group: Hetzner Datacenter

License key: [redacted]

success: 2024-09-11T16:42:34+02:00

Parameters for package:

Server name
hestiacp
Name server This option will allow you to add a ids 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-[*user_id*]-[*service_id*]`

Server type
CX11
Server type

Server location
HEL1
Server location

Server placement groups
PRIVATE_WEB (SPREAD)
Server placement groups

Server image
DEBIAN-11 - DEBIAN 11
Server image

SSH keys
IT@PUQ.PL
SSH keys

Server networks
Server networks

Server firewalls
HESTIACP
FIREWALL-2
FOR SUSPEND
Server firewalls

User data

```
#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
```

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
Available variables from the service configurable options:
`${Operating system}`
`${Backup}`
Available variables from the service custom fields:
`${Password}`
`${Hostname (Domain)}`
Cloud-Init user data to use during Server creation. This field is limited to 32KiB.

Package setting

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 | HestiaCP
Add Label
Server labels. The user_id and service_id fields with the corresponding values will be automatically added.

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 lables] on the client area if enabled.

for suspend

API:

Step 1: Choose server type and location

Select Server and Location

cx11 - x86 1 Cores 2 GB 20 GB

hel1 - Net: 0.0052 EUR, Gross: 0.0052 EUR

Attribute	Value
ID	1
Name	cx11
Description	CX11
Cores	1
Memory	2 GB
Disk	20 GB
CPU Type	shared
Storage Type	local
Architecture	x86
Included Traffic	20 TB
Location	hel1
Price Hourly (Net)	0.0052 EUR
Price Hourly (Gross)	0.0052 EUR
Price Monthly (Net)	3.29 EUR
Price Monthly (Gross)	3.29 EUR

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

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**

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

☐ **1111111111 (10.1.0.0/16)**
☐ **network-10-22 (10.22.0.0/16)**

Select Firewalls

☑ **hestiacp**
☐ **firewall-2**
☐ **for suspend**

Package Settings

License key: A pre-purchased license key for the "PUQ Hetzner Datacenter" module. 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

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.

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

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.

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.

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.

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