# » Data Source: hcloud datacenter

Provides details about a specific Hetzner Cloud Datacenter. Use this resource to get detailed information about specific datacenter.

# » Example Usage

```
data "hcloud_datacenter" "ds_1" {
  name = "fsn1-dc8"
}
data "hcloud_datacenter" "ds_2" {
  id = 4
}
```

## » Argument Reference

- id (Optional, string) ID of the datacenter.
- name (Optional, string) Name of the datacenter.

#### » Attributes Reference

- id (int) Unique ID of the datacenter.
- name (string) Name of the datacenter.
- description (string) Description of the datacenter.
- location (map) Physical datacenter location.
- supported\_server\_type\_ids (list) List of server types supported by the datacenter
- available\_server\_type\_ids (list) List of available server types.

# » Data Source: hcloud datacenters

Provides a list of available Hetzner Cloud Datacenters. This resource may be useful to create highly available infrastructure, distributed across several datacenters.

```
data "hcloud_datacenters" "ds" {
}
```

```
resource "hcloud_server" "workers" {
  name = "node1"
  image = "debian-9"
  server_type = "cx31"
  datacenter = "${element(data.hcloud_datacenters.ds.names, count.index)}"
  count = 3
}
```

- datacenter\_ids (list) List of unique datacenter identifiers.
- names (list) List of datacenter names.
- descriptions (list) List of all datacenter descriptions.

# » Data Source: hcloud\_floating\_ip

Provides details about a Hetzner Cloud Floating IP.

This resource can be useful when you need to determine a Floating IP ID based on the IP address.

### » Example Usage

# » Data Source: hcloud\_floating\_ip

Provides details about a Hetzner Cloud Floating IP. This resource can be useful when you need to determine a Floating IP ID based on the IP address.

}

### » Argument Reference

- ip\_address (Optional, string) IP address of the Floating IP.
- with\_selector (Optional, string) Label selector

#### » Attributes Reference

- id (int) Unique ID of the Floating IP.
- ip\_address (string) IP address of the Floating IP.

# » Data Source: hcloud image

Provides details about a Hetzner Cloud Image. This resource is useful if you want to use a non-terraform managed image.

## » Example Usage

```
data "hcloud_image" "image_1" {
   id = "1234"
}
data "hcloud_image" "image_2" {
   name = "ubuntu-18.04"
}
data "hcloud_image" "image_3" {
   with_selector = "key=value"
}
resource "hcloud_server" "main" {
   image = "${data.hcloud_image.image_1.name}"
}
```

### » Argument Reference

- id (Optional, string) ID of the Image.
- name (Optional, string) Name of the Image.
- with\_selector (Optional, string) Label selector
- most\_recent (Optional, bool) If more than one result is returned, use the most recent Image.

• with\_status - (Optional, list) List only images with the specified status, could contain creating or available.

### » Attributes Reference

- id (int) Unique ID of the Image.
- name (string) Name of the Image.
- type (string) Type of the Image, could be system, backup or snapshot.
- status (string) Status of the Image.
- description (string) Description of the Image.
- created (string) Date when the Image was created (in ISO-8601 format).
- os\_flavor (string) Flavor of operating system contained in the image, could be ubuntu, centos, debian, fedora or unknown.
- os\_version (string) Operating system version.
- rapid\_deploy (bool) Indicates that rapid deploy of the image is available.
- deprecated (string) Point in time when the image is considered to be deprecated (in ISO-8601 format).

# » Data Source: hcloud location

Provides details about a specific Hetzner Cloud Location. Use this resource to get detailed information about specific location.

## » Example Usage

```
data "hcloud_location" "l_1" {
   name = "fsn1"
}
data "hcloud_location" "l_2" {
   id = 1
}
```

# » Argument Reference

- id (Optional, string) ID of the location.
- name (Optional, string) Name of the location.

#### » Attributes Reference

• id - (int) Unique ID of the location.

- name (string) Name of the location.
- description (string) Description of the location.
- city (string) City of the location.
- country (string) Country of the location.
- latitude (float) Latitude of the city.
- longitude (float) Longitude of the city.

# » Data Source: hcloud\_locations

Provides a list of available Hetzner Cloud Locations. This resource may be useful to create highly available infrastructure, distributed across several locations.

# » Example Usage

```
data "hcloud_locations" "ds" {
}

resource "hcloud_server" "workers" {
  name = "node1"
  image = "debian-9"
  server_type = "cx31"
  location = "${element(data.hcloud_locations.ds.names, count.index)}"
  count = 3
}
```

### » Attributes Reference

- location\_ids (list) List of unique location identifiers.
- names (list) List of location names.
- descriptions (list) List of all location descriptions.

# » Data Source: hcloud\_server

Provides details about a Hetzner Cloud Server. This resource is useful if you want to use a non-terraform managed server.

```
data "hcloud_server" "s_1" {
```

```
name = "my-server"
}
data "hcloud_server" "s_2" {
  id = "123"
}
data "hcloud_server" "s_3" {
  with_selector = "key=value"
}
```

- id ID of the server.
- name Name of the server.
- with\_selector Label Selector. For more information about possible values, visit the Hetzner Cloud Documentation.
- with\_status (Optional, list) List only servers with the specified status, could contain initializing, starting, running, stopping, off, deleting, rebuilding, migrating, unknown.

### » Attributes Reference

- id (int) Unique ID of the server.
- name (string) Name of the server.
- server\_type (string) Name of the server type.
- image (string) Name or ID of the image the server was created from.
- location (string) The location name.
- datacenter (string) The datacenter name.
- backup\_window (string) The backup window of the server, if enabled.
- backups (boolean) Whether backups are enabled.
- iso (string) ID or Name of the mounted ISO image.
- ipv4\_address (string) The IPv4 address.
- ipv6\_address (string) The first IPv6 address of the assigned network.
- ipv6\_network (string) The IPv6 network.
- status (string) The status of the server.
- labels (map) User-defined labels (key-value pairs)

# » Data Source: hcloud\_network

Provides details about a Hetzner Cloud network. This resource is useful if you want to use a non-terraform managed network.

## » Example Usage

```
data "hcloud_network" "network_1" {
  id = "1234"
}
data "hcloud_network" "network_2" {
  name = "my-network"
}
data "hcloud_network" "network_3" {
  with_selector = "key=value"
}
```

## » Argument Reference

- id ID of the Network.
- name Name of the Network.
- with\_selector Label Selector. For more information about possible values, visit the Hetzner Cloud Documentation.

### » Attributes Reference

- id Unique ID of the Network.
- name Name of the Network.
- ip\_range IPv4 prefix of the Network.

# » Data Source: hcloud\_ssh\_key

Provides details about a Hetzner Cloud SSH Key. This resource is useful if you want to use a non-terraform managed SSH Key.

```
data "hcloud_ssh_key" "ssh_key_1" {
   id = "1234"
}
data "hcloud_ssh_key" "ssh_key_2" {
   name = "my-ssh-key"
}
data "hcloud_ssh_key" "ssh_key_3" {
   fingerprint = "43:51:43:a1:b5:fc:8b:b7:0a:3a:a9:b1:0f:66:73:a8"
}
```

```
data "hcloud_ssh_key" "ssh_key_4" {
   with_selector = "key=value"
}
resource "hcloud_server" "main" {
   ssh_keys = ["${data.hcloud_ssh_key.ssh_key_1.id}","${data.hcloud_ssh_key.ssh_key_2.id}","
}
```

- id (Optional, string) ID of the SSH Key.
- name (Optional, string) Name of the SSH Key.
- fingerprint (Optional, string) Fingerprint of the SSH Key.
- with\_selector (Optional, string) Label selector

### » Attributes Reference

- id (int) Unique ID of the SSH Key.
- name (string) Name of the SSH Key.
- fingerprint (string) Fingerprint of the SSH Key.
- public\_key (string) Public Key of the SSH Key.

# » Data Source: hcloud\_ssh\_keys

Provides details about Hetzner Cloud SSH Keys. This resource is useful if you want to use a non-terraform managed SSH Key.

### » Example Usage

```
data "hcloud_ssh_keys" "all_keys" {
}
data "hcloud_ssh_keys" "keys_by_selector" {
   with_selector = "foo=bar"
}
resource "hcloud_server" "main" {
   ssh_keys = "${data.hcloud_ssh_keys.all_keys.ssh_keys.*.name}"
}
```

### » Argument Reference

• with\_selector - (Optional, string) Label selector

ssh\_keys - (list) List of all matches SSH keys. See data.hcloud\_ssh\_key for schema.

# » Data Source: hcloud\_volume

Provides details about a Hetzner Cloud volume. This resource is useful if you want to use a non-terraform managed volume.

# » Example Usage

```
data "hcloud_volume" "volume_1" {
   id = "1234"
}
data "hcloud_volume" "volume_2" {
   name = "my-volume"
}
data "hcloud_volume" "volume_3" {
   with_selector = "key=value"
}
```

### » Argument Reference

- id ID of the volume.
- name Name of the volume.
- with\_selector Label Selector. For more information about possible values, visit the Hetzner Cloud Documentation.
- with\_status (Optional, list) List only volumes with the specified status, could contain creating or available.

#### » Attributes Reference

- id Unique ID of the volume.
- name Name of the volume.
- size Size of the volume.

# » hcloud server

Provides an Hetzner Cloud server resource. This can be used to create, modify, and delete servers. Servers also support provisioning.

### » Example Usage

```
# Create a new server running debian
resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
}
```

## » Argument Reference

The following arguments are supported:

- name (Required, string) Name of the server to create (must be unique per project and a valid hostname as per RFC 1123).
- server\_type (Required, string) Name of the server type this server should be created with.
- image (Required, string) Name or ID of the image the server is created from.
- location (Optional, string) The location name to create the server in. nbg1, fsn1 or hel1
- datacenter (Optional, string) The datacenter name to create the server in.
- user\_data (Optional, string) Cloud-Init user data to use during server creation
- ssh\_keys (Optional, list) SSH key IDs or names which should be injected into the server at creation time
- keep\_disk (Optional, bool) If true, do not upgrade the disk. This allows downgrading the server type later.
- iso (Optional, string) ID or Name of an ISO image to mount.
- rescue (Optional, string) Enable and boot in to the specified rescue system. This enables simple installation of custom operating systems. linux64 linux32 or freebsd64
- labels (Optional, map) User-defined labels (key-value pairs) should be created with.
- backups (Optional, boolean) Enable or disable backups.

The following attributes are exported:

- id (int) Unique ID of the server.
- name (string) Name of the server.
- server\_type (string) Name of the server type.
- image (string) Name or ID of the image the server was created from.
- location (string) The location name.
- datacenter (string) The datacenter name.
- backup\_window (string) The backup window of the server, if enabled.
- backups (boolean) Whether backups are enabled.
- iso (string) ID or Name of the mounted ISO image.
- ipv4\_address (string) The IPv4 address.
- ipv6\_address (string) The first IPv6 address of the assigned network.
- ipv6\_network (string) The IPv6 network.
- status (string) The status of the server.
- labels (map) User-defined labels (key-value pairs)

# » Import

Servers can be imported using the server id:

terraform import hcloud\_server.myserver <id>

# » hcloud server network

Provides a Hetzner Cloud Server Network to represent a private network on a server in the Hetzner Cloud.

```
resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
}
resource "hcloud_network" "mynet" {
  name = "my-net"
  ip_range = "10.0.0.0/8"
}
resource "hcloud_network_subnet" "foonet" {
  network_id = "${hcloud_network.mynet.id}}"
```

```
type = "server"
network_zone = "eu-central"
ip_range = "10.0.1.0/24"
}

resource "hcloud_server_network" "srvnetwork" {
   server_id = "${hcloud_server.node1.id}"
   network_id = "${hcloud_network.mynet.id}"
   ip = "10.0.1.5"
}
```

- network\_id (Required, int) ID of the network which should be added to the server.
- server\_id (Required, int) ID of the server.
- ip (Optional, string) IP to request to be assigned to this server. If you do not provide this then you will be auto assigned an IP address.
- alias\_ips (Required, list[string]) Additional IPs to be assigned to this server.

### » Attributes Reference

- id (string) ID of the server network.
- network\_id (int) ID of the network.
- server\_id (int) ID of the server.
- ip (string) IP assigned to this server.
- alias\_ips (list[string]) Additional IPs assigned to this server.

# » hcloud\_volume

Provides a Hetzner Cloud volume resource to manage volumes.

```
resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
}
```

```
resource "hcloud_volume" "master" {
  name = "volume1"
  size = 50
  server_id = "${hcloud_server.node1.id}"
  automount = true
}
```

- name (Required, string) Name of the volume to create (must be unique per project).
- size (Required, int) Size of the volume (in GB).
- server (Optional, int) Server to attach the Volume to, optional if location argument is passed.
- location (Optional, string) Location of the volume to create, optional if server id argument is passed.
- automount (Optional, bool) Automount the volume upon attaching it (server\_id must be provided).
- format (Optional, string) Format volume after creation. xfs or ext4

**Note:** When you want to attach multiple volumes to a server, please use the hcloud\_volume\_attachment resource and the location argument instead of the server\_id argument.

#### » Attributes Reference

- id Unique ID of the volume.
- name Name of the volume.
- size Size of the volume.
- labels User-defined labels (key-value pairs).
- linux\_device Device path on the file system for the Volume.

### » Import

Volumes can be imported using their id:

terraform import hcloud\_volume.myvolume <id>

# » hcloud volume attachment

Provides a Hetzner Cloud Volume attachment to attach a Volume to a Hetzner Cloud Server. Deleting a Volume Attachment will detach the Volume from the Server.

# » Example Usage

```
resource "hcloud_volume_attachment" "main" {
  volume_id = "${hcloud_volume.master.id}"
  server_id = "${hcloud_server.node1.id}"
  automount = true
}

resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
  datacenter = "nbg1-dc3"
}

resource "hcloud_volume" "master" {
  location = "nbg1"
  size = 10
}
```

### » Argument Reference

- volume\_id (Required, int) ID of the Volume.
- server\_id (Required, int) Server to attach the Volume to.
- automount (Optional, bool) Automount the volume upon attaching it.

#### » Attributes Reference

- id (int) Unique ID of the Volume Attachment.
- volume\_id (int) ID of the Volume.
- server\_id (int) Server the Volume was attached to.

# » hcloud\_network

Provides a Hetzner Cloud Network to represent a Network in the Hetzner Cloud.

```
resource "hcloud_network" "privNet" {
  name = "my-net"
  ip_range = "10.0.1.0/24"
```

}

### » Argument Reference

- name (Required, string) Name of the Network to create (must be unique per project).
- ip\_range (Required, string) IP Range of the whole Network which must span all included subnets and route destinations. Must be one of the private ipv4 ranges of RFC1918.
- labels (Optional, map) User-defined labels (key-value pairs) should be created with.

### » Attributes Reference

- id (int) Unique ID of the network.
- name (string) Name of the network.
- ip\_range (string) IPv4 Prefix of the whole Network.
- labels (map) User-defined labels (key-value pairs)

# » Import

Networks can be imported using its id:

terraform import hcloud\_network.myip <id>

# » hcloud network route

Provides a Hetzner Cloud Network Route to represent a Network route in the Hetzner Cloud.

```
resource "hcloud_network" "mynet" {
  name = "my-net"
  ip_range = "10.0.0.0/8"
}
resource "hcloud_network_route" "privNet" {
  network_id = "${hcloud_network.mynet.id}"
  destination = "10.100.1.0/24"
  gateway = "10.0.1.1"
}
```

- network\_id (Required, int) ID of the Network the route should be added to.
- destination (Required, string) Destination network or host of this route.
   Must be a subnet of the ip\_range of the Network. Must not overlap with an existing ip\_range in any subnets or with any destinations in other routes or with the first ip of the networks ip\_range or with 172.31.1.1.
- gateway (Required, string) Gateway for the route. Cannot be the first ip of the networks ip\_range and also cannot be 172.31.1.1 as this IP is being used as a gateway for the public network interface of servers.

#### » Attributes Reference

- id (int) Unique ID of the Network route.
- network\_id (int) ID of the Network.
- destination (string) Destination of this route.
- gateway (string) Gateway of the route.

# » hcloud\_network\_subnet

Provides a Hetzner Cloud Network Subnet to represent a Subnet in the Hetzner Cloud.

### » Example Usage

```
resource "hcloud_network" "mynet" {
  name = "my-net"
  ip_range = "10.0.0.0/8"
}
resource "hcloud_network_subnet" "foonet" {
  network_id = "${hcloud_network.mynet.id}"
  type = "server"
  network_zone = "eu-central"
  ip_range = "10.0.1.0/24"
}
```

### » Argument Reference

• network\_id - (Required, int) ID of the Network the subnet should be added to.

- type (Required, string) Type of subnet. server
- ip\_range (Required, string) Range to allocate IPs from. Must be a subnet of the ip\_range of the Network and must not overlap with any other subnets or with any destinations in routes.
- network\_zone (Required, string) Name of network zone.

- id (string) ID of the Network subnet.
- network\_id (int) ID of the Network.
- type (string) Type of subnet.
- ip\_range (string) Range to allocate IPs from.
- network\_zone (string) Name of network zone.

# » hcloud\_ssh\_key

Provides a Hetzner Cloud SSH key resource to manage SSH keys for server access.

## » Example Usage

```
# Create a new SSH key
resource "hcloud_ssh_key" "default" {
  name = "Terraform Example"
  public_key = "${file("~/.ssh/id_rsa.pub")}"
}
```

## » Argument Reference

The following arguments are supported:

- name (Required, string) Name of the SSH key.
- public\_key (Required, string) The public key. If this is a file, it can be read using the file interpolation function

### » Attributes Reference

The following attributes are exported:

- id (int) The unique ID of the key.
- name (string) The name of the SSH key
- public\_key (string) The text of the public key

- fingerprint (string) The fingerprint of the SSH key
- labels (map) User-defined labels (key-value pairs)

### » Import

SSH keys can be imported using the SSH key id: terraform import hcloud\_ssh\_key.mykey <id>

# » hcloud floating ip

Provides a Hetzner Cloud Floating IP to represent a publicly-accessible static IP address that can be mapped to one of your servers.

## » Example Usage

```
resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
}

resource "hcloud_floating_ip" "master" {
  type = "ipv4"
  server_id = "${hcloud_server.node1.id}"
}
```

### » Argument Reference

- type (Required, string) Type of the Floating IP. ipv4 ipv6
- server\_id (Optional, int) Server to assign the Floating IP to.
- home\_location (Optional, string) Home location (routing is optimized for that location). Optional if server\_id argument is passed.
- description (Optional, string) Description of the Floating IP.
- labels (Optional, map) User-defined labels (key-value pairs) should be created with.

### » Attributes Reference

- id (int) Unique ID of the Floating IP.
- type (string) Type of the Floating IP.

- server\_id (int) Server to assign the Floating IP is assigned to.
- home\_location (string) Home location.
- description (string) Description of the Floating IP.
- ip\_address (string) IP Address of the Floating IP.
- ip\_network (string) IPv6 subnet. (Only set if type is ipv6)
- labels (map) User-defined labels (key-value pairs)

# » Import

Floating IPs can be imported using its id:

terraform import hcloud\_floating\_ip.myip <id>

# » hcloud\_floating\_ip\_assignment

Provides a Hetzner Cloud Floating IP Assignment to assign a Floating IP to a Hetzner Cloud Server. Deleting a Floating IP Assignment will unassign the Floating IP from the Server.

## » Example Usage

```
resource "hcloud_floating_ip_assignment" "main" {
  floating_ip_id = "${hcloud_floating_ip.master.id}"
  server_id = "${hcloud_server.node1.id}"
}

resource "hcloud_server" "node1" {
  name = "node1"
  image = "debian-9"
  server_type = "cx11"
  datacenter = "fsn1-dc8"
}

resource "hcloud_floating_ip" "master" {
  type = "ipv4"
  home_location = "nbg1"
}
```

### » Argument Reference

- floating\_ip\_id (Required, int) ID of the Floating IP.
- server\_id (Required, int) Server to assign the Floating IP to.

- id (int) Unique ID of the Floating IP Assignment.
- floating\_ip\_id (int) ID of the Floating IP.
- server\_id (int) Server the Floating IP was assigned to.

# » hcloud rdns

Provides a Hetzner Cloud Reverse DNS Entry to create, modify and reset reverse dns entries for Hetzner Cloud Floating IPs or servers.

# » Example Usage

```
For servers:
resource "hcloud_server" "node1" {
 name = "node1"
  image = "debian-9"
  server_type = "cx11"
}
resource "hcloud_rdns" "master" {
  server_id = "${hcloud_server.node1.id}"
 ip_address = "${hcloud_server.node1.ipv4_address}"
 dns_ptr = "example.com"
For Floating IPs:
resource "hcloud_floating_ip" "floating1" {
 home_location = "nbg1"
  type = "ipv4"
}
resource "hcloud_rdns" "floating_master" {
  floating_ip_id = "${hcloud_floating_ip.floating1.id}"
  ip_address = "${hcloud_floating_ip.floating1.ip_address}"
 dns_ptr = "example.com"
}
```

# » Argument Reference

 dns\_ptr - (Required, string) The DNS address the ip\_address should resolve to.

- ip\_address (Required, string) The IP address that should point to dns ptr.
- server\_id (Required, int) The server the ip\_address belongs to.
- floating\_ip\_id (Required, int) The Floating IP the ip\_address belongs to.

- id (int) Unique ID of the Reverse DNS Entry.
- dns\_ptr (string) DNS pointer for the IP address.
- ip\_address (string) IP address.
- server\_id (int) The server the IP address belongs to.
- floating\_ip\_id (int) The Floating IP the IP address belongs to.

### » Import

# import reverse dns entry on server with id 123, ip 192.168.100.1
terraform import hcloud\_rdns.myrdns s-123-192.168.100.1

# import reverse dns entry on floating ip with id 123, ip 2001:db8::1
terraform import hcloud\_rdns.myrdns f-123-2001:db8::1