» gridscale_ip

Get the id of an ip resource. This can be used to link ip addresses to a server.

» Example Usage

Using the ip datasource for the creation of a server:

```
data "gridscale_ipv4" "ipv4name"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

data "gridscale_ipv6" "ipv6name"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

resource "gridscale_server" "servername"{
    name = "terra-server"
    cores = 2
    memory = 4
    ipv4 = "${data.gridscale_ipv4.ipv4name.id}"
    ipv6 = "${data.gridscale_ipv6.ipv6name.id}"
}
```

» Attributes Reference

The following attributes are exported:

- `id` - The UUID of the ip.
- `ip` - Defines the IP Address (v4 or v6) the ip.
- `prefix` - The IP prefix of the ip.
- `location_uuid` - The UUID of the location, that helps to identify which datacenter an object belongs to.
- `failover` - failover mode of this ip. If true, then this IP is no longer available for DHCP and can no longer be related to any server..
- `status` - The status of the ip.
- `reverse_dns` - The reverse DNS of the ip.
- `location_iata` - The IATA airport code, which works as a location identifier.
- `location_country` - The human-readable name of the country of the ip.
- `location_name` - The human-readable name of the location of the ip.
- `create_time` - The date and time the ip was initially created.
- `change_time` - The date and time of the last ip change.
- `delete_block` - Defines if the ip is administratively blocked.

- `usage_in_minutes` - Total minutes the ip has been running.
- `current_price` - The price for the current period since the last bill.
- `labels` - The list of labels.

» gridscale_storage

Get the id of a network resource. This can be used to link networks to a server.

» Example Usage

Using the network datasource for the creation of a server:

```
data "gridscale_network" "networkname"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

resource "gridscale_server" "servername"{
    name = "terra-server"
    cores = 2
    memory = 4
    network {
        object_uuid = "${data.gridscale_network.networkname.id}"
        bootdevice = true
    }
}
```

» Attributes Reference

The following attributes are exported:

- `id` - The UUID of the network.
- `name` - The UUID of the network.
- `location_uuid` - The UUID of the location, that helps to identify which datacenter the network belongs to.
- `l2security` - Defines information about MAC spoofing protection.
- `status` - The status of the network.
- `network_type` - The type of the network.
- `location_country` - The human-readable name of the country where the network locates.
- `location_iata` - The IATA airport code, which works as a location identifier.
- `location_name` - The uman-readable name of the location where the network locates.

- `delete_block` - Defines if the network is administratively blocked.
- `create_time` - Defines the date and time the network was initially created.
- `change_time` - Defines the date and time of the last network change.
- `labels` - The list of labels.

» gridscale_sshkey

Get the id of an sshkey resource. This can be used to link SSH keys to a storage when an official template is used.

» Example Usage

Using the sshkey datasource for the creation of a storage:

```
data "gridscale_sshkey" "sshkey-john"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

data "gridscale_sshkey" "sshkey-jane"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

resource "gridscale_storage" "storagename"{
    name = "terraform-storage"
    capacity = 10
    template {
        sshkeys = [
            "${data.gridscale_sshkey.sshkey-john.id}",
            "${data.gridscale_sshkey.sshkey-jane.id}"
        ]
        template_uuid = "4db64bfc-9fb2-4976-80b5-94ff43b1233a"
    }
}
```

» Attributes Reference

The following attributes are exported:

- `id` - The UUID of the sshkey.
- `name` - The human-readable name of the sshkey.
- `sshkey` - The OpenSSH public key string of the sshkey.
- `status` - The status of the sshkey.
- `create_time` - The date and time of the sshkey was initially created.

- `change_time` - The date and time of the last sshkey change.
- `labels` - The list of labels.

» gridscale_storage

Get the id of a storage resource. This can be used to link storages to a server.

» Example Usage

Using the storage datasource for the creation of a server:

```
data "gridscale_storage" "storagename"{
    resource_id = "xxxx-xxxx-xxxx-xxxx"
}

resource "gridscale_server" "servername"{
    name = "terra-server"
    cores = 2
    memory = 4
    storage {
        object_uuid = "${data.gridscale_storage.storagename.id}"
        bootdevice = true
    }
}
```

» Attributes Reference

The following attributes are exported:

- `id` - The UUID of the storage.
- `change_time` - Defines the date and time of the last storage change.
- `location_iata` - The IATA airport code of the location where storage locates.
- `status` - The status of the storage.
- `license_product_no` - The license key (e.g. Windows Servers), if the template used by the storage requires.
- `location_country` - The human-readable name of the country where the storage locates.
- `usage_in_minutes` - Total minutes the the storage has been running.
- `last_used_template` - The UUID of the last used template on the storage.
- `current_price` - The price for the current period since the last bill.
- `capacity` - The capacity (GB) of the storage.
- `location_uuid` - The UUID of the location where the storage locates.

- `storage_type` - The type of the storage.
- `parent_uuid` - The UUID of the parent of the storage.
- `name` - The human-readable name of the storage.
- `location_name` - The human-readable name of the location where the storage locates.
- `create_time` - Defines the date and time the storage was initially created.
- `labels` - The list of labels.

» gridscale_template

Get the id of a template with a specific name. This can be used to make it more visible which template is being used for new storages.

An error is triggered if the template name does not exist.

» Example Usage

Get the template:

```
data "gridscale_template" "ubuntu" {
  name = "Ubuntu 18.04 LTS"
}
```

Using the template datasource for the creation of a storage:

```
resource "gridscale_storage" "storage-test"{
    name = "terra-storage-test"
    capacity = 10
    template {
        sshkeys = [ "e17e8fd2-0797-4a00-a85d-eb9a612a6e4e" ]
        template_uuid = "${data.gridscale_template.ubuntu.id}"
    }
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The exact name of the template as show in the expert panel of gridscale.

» Attributes Reference

The following attributes are exported:

- `name` - The name of the template.

» gridscale_ipv4

Provides an IPv4 address resource. This can be used to create, modify and delete IPv4 addresses.

» Example Usage

The following example shows how one might use this resource to add an IPv4 address to gridscale:

```
resource "gridscale_ipv4" "terra-ipv4-test" {
    name = "terra-test"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Optional) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `location_uuid` - (Optional) Helps to identify which datacenter an object belongs to. Frankfurt is the default.
- `failover` - (Optional) Sets failover mode for this IP. If true, then this IP is no longer available for DHCP and can no longer be related to any server.
- `reverse_dns` - (Optional) Defines the reverse DNS entry for the IP Address (PTR Resource Record).
- `labels` - (Optional) List of labels in the format ["label1", "label2"].

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `location_uuid` - See Argument Reference above.
- `failover` - See Argument Reference above.
- `reverse_dns` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `ip` - Defines the IP Address.

- `prefix` - The network address and the subnet.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.
- `location_country` - Formatted by the 2 digit country code (ISO 3166-2) of the host country.
- `location_iata` - Uses IATA airport code, which works as a location identifier.
- `location_name` - The location name.
- `delete_block` - Defines if the object is administratively blocked. If true, it can not be deleted by the user.
- `usage_in_minutes` - The amount of minutes the IP address has been in use.
- `current_price` - The price for the current period since the last bill.

» gridscale_ipv6

Provides an IPv6 address resource. This can be used to create, modify and delete IPv6 addresses.

» Example Usage

The following example shows how one might use this resource to add an IPv6 address to gridscale:

```
resource "gridscale_ipv6" "terra-ipv6-test" {
    name = "terra-test"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Optional) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `location_uuid` - (Optional) Helps to identify which datacenter an object belongs to. Frankfurt is the default.
- `failover` - (Optional) Sets failover mode for this IP. If true, then this IP is no longer available for DHCP and can no longer be related to any server.
- `reverse_dns` - (Optional) Defines the reverse DNS entry for the IP Address (PTR Resource Record).

- `labels` - (Optional) List of labels in the format [”label1”, ”label2”].

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `location_uuid` - See Argument Reference above.
- `failover` - See Argument Reference above.
- `reverse_dns` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `ip` - Defines the IP Address.
- `prefix` - The network address and the subnet.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.
- `location_country` - Formatted by the 2 digit country code (ISO 3166-2) of the host country.
- `location_iata` - Uses IATA airport code, which works as a location identifier.
- `location_name` - The location name.
- `delete_block` - Defines if the object is administratively blocked. If true, it can not be deleted by the user.
- `usage_in_minutes` - The amount of minutes the IP address has been in use.
- `current_price` - The price for the current period since the last bill.

» gridscale_network

Provides a network resource. This can be used to create, modify and delete networks.

» Example Usage

The following example shows how one might use this resource to add a network to gridscale:

```
resource "gridscale_network" "networkname"{
    name = "terraform-network"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `location_uuid` - (Optional) Helps to identify which datacenter an object belongs to. Frankfurt is the default.
- `l2security` - (Optional) Defines information about MAC spoofing protection (filters layer2 and ARP traffic based on MAC source). It can only be (de-)activated on a private network - the public network always has l2security enabled. It will be true if the network is public, and false if the network is private.
- `labels` - (Optional) List of labels in the format ["label1", "label2"].

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `location_uuid` - See Argument Reference above.
- `l2security` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.
- `network_type` - The type of this network, can be mpls, breakout or network.
- `location_country` - Formatted by the 2 digit country code (ISO 3166-2) of the host country.
- `location_iata` - Uses IATA airport code, which works as a location identifier.
- `location_name` - The location name.
- `public_net` - Is the network public or not.
- `delete_block` - If deleting this network is allowed.

» gridscale_server

Provides a server resource. This can be used to create, modify and delete servers.

» Example

The following example shows how one might use this resource to add a server to gridscale:

```
resource "gridscale_server" "terra-server-test"{
    name = "terra-server-test"
    cores = 2
    memory = 1
    storage {
        object_uuid = "${gridscale_storage.terra-storage-test.id}"
        bootdevice = true
    }
    storage {
            object_uuid = "UUID of storage 2",
        }
    network {
        object_uuid = "${gridscale_network.terra-network-test.id}"
        bootdevice = true
    }
    network {
            object_uuid = "UUID of network 2"
    }
    ipv4 = "${gridscale_ipv4.terra-ipv4-test.id}"
    ipv6 = "UUID of ipv6 address"
    isoimage = "9be3e0a3-42ac-4207-8887-3383c405724d"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `cores` - (Required) The number of server cores.
- `memory` - (Required) The amount of server memory in GB.
- `location_uuid` - (Optional) Helps to identify which datacenter an object belongs to. Frankfurt is the default.
- `labels` - (Optional) List of labels in the format [”label1”, ”label2”].
- `hardware_profile` - (Optional) The hardware profile of the Server. Options are default, legacy, nested, cisco_csr, sophos_utm, f5_bigip and q35 at the moment of writing. Check the

- `ipv4` - (Optional) The UUID of the IPv4 address of the server. When this option is set, the server will automatically be connected to the public network, giving it access to the internet.
- `ipv6` - (Optional) The UUID of the IPv6 address of the server. When this option is set, the server will automatically be connected to the public network, giving it access to the internet.
- `isoimage` - (Optional) The UUID of an ISO image in gridscale. The server will automatically boot from the ISO if one was added. The UUIDs of ISO images can be found in the expert panel.
- `power` - (Optional) The power state of the server. Set this to true to will boot the server, false will shut it down.
- `availability_zone` - (Optional) Defines which Availability-Zone the Server is placed.
- `storage` - (Optional) Connects a storage to the server.
  - `object_uuid` - (Required) The object UUID or id of the storage.
  - `bootdevice` - (Optional) Make this storage the boot device. **This can only be set for one storage per server!**
- `storage` - (Optional) Connects a storage to the server.
  - `object_uuid` - (Required) The object UUID or id of the network.
  - `bootdevice` - (Optional) Make this network the boot device. This can only be set for one network.

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `cores` - See Argument Reference above.
- `memory` - See Argument Reference above.
- `location_uuid` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `hardware_profile` - See Argument Reference above.
- `storages` - See Argument Reference above.
- `networks` - See Argument Reference above.
- `ipv4` - See Argument Reference above.
- `ipv6` - See Argument Reference above.
- `power` - See Argument Reference above.
- `availability_zone` - See Argument Reference above.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.

- `location_country` - Formatted by the 2 digit country code (ISO 3166-2) of the host country.
- `location_iata` - Uses IATA airport code, which works as a location identifier.
- `location_name` - The location name.
- `current_price` - The price for the current period since the last bill.

» gridscale_sshkey

Provides an SSH public key resource. This can be used to create, modify and delete SSH public keys.

» Example Usage

The following example shows how one might use this resource to add an SSH public key to gridscale:

```
resource "gridscale_sshkey" "sshkey-john"{
    name = "john's computer"
    sshkey = "an ssh public key"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `sshkey` - (Required) This is the OpenSSH public key string (all key types are supported => ed25519, ecdsa, dsa, rsa, rsa1).
- `labels` - (Optional) List of labels in the format [”label1”, ”label2”].

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `sshkey` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.

» gridscale_storage

Provides a storage resource. This can be used to create, modify and delete storages.

» Example Usage

The following example shows how one might use this resource to add a storage to gridscale:

```
resource "gridscale_storage" "storage-john"{
    name = "john's storage"
    capacity = 10
    storage_type = "storage_high"
    template {
        template_uuid = "4db64bfc-9fb2-4976-80b5-94ff43b1233a"
        password = "${var.gridscale_password-john}"
        password_type = "plain"
        hostname = "Ubuntu"
    }
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The human-readable name of the object. It supports the full UTF-8 charset, with a maximum of 64 characters.
- `capacity` - (Required) required (integer - minimum: 1 - maximum: 4096).
- `storage_type` - (Optional) (one of storage, storage_high, storage_insane).
- `location_uuid` - (Optional) Helps to identify which datacenter an object belongs to. Frankfurt is the default.
- `labels` - (Optional) List of labels in the format [”label1”, ”label2”].
- `template` - (Optional) List of labels in the format [”label1”, ”label2”].
  - `template_uuid` - (Required) The UUID of a template. This can be found in the expert panel by clicking more on the template or by using a gridscale_template datasource.
  - `password` - (Optional) The root (Linux) or Administrator (Windows) password to set for the installed storage. Valid only for public templates. The password has to be either plain-text or a crypt string (modular crypt format - MCF).

  - `password_type` - (Optional) (one of plain, crypt) Required if password is set (ignored for private templates and public Windows templates).
  - `sshkeys` - (Optional) (array of any - minItems: 0) Public Linux templates only! The UUIDs of SSHkeys to install for the root user.
  - `hostname` - (Optional) The hostname of the installed server (ignored for private templates and public windows templates).

Note When using official templates using either a password and password_type or at least one SSH public key is required. This is not the case when using custom templates. For official templates password authentication for SSH is enabled by default, so be sure to pick a strong password.

» Attributes

This resource exports the following attributes:

- `name` - See Argument Reference above.
- `capacity` - See Argument Reference above.
- `storage_type` - See Argument Reference above.
- `location_uuid` - See Argument Reference above.
- `labels` - See Argument Reference above.
- `status` - status indicates the status of the object.
- `create_time` - The time the object was created.
- `change_time` - Defines the date and time of the last object change.
- `location_country` - Formatted by the 2 digit country code (ISO 3166-2) of the host country.
- `location_iata` - Uses IATA airport code, which works as a location identifier.
- `location_name` - The location name.
- `license_product_no` - If a template has been used that requires a license key (e.g. Windows Servers) this shows the product_no of the license (see the /prices endpoint for more details).
- `last_used_template` - Indicates the UUID of the last used template on this storage (inherited from snapshots).
- `usage_in_minutes` - The amount of minutes the IP address has been in use.
- `current_price` - The price for the current period since the last bill.