



## Vultr API Reference - Version 1.0

2019-02-16

### Overview

**API Endpoint:**

<https://api.vultr.com/>

**API Key:**

Available at <https://my.vultr.com/settings/#API>

**Authentication:**

For any API request that requires authentication, you would need to send the 'API-Key: YOURKEY' HTTP header. See the cURL examples below for more information on how to do this.

**Time and Date:**

All time and date fields returned by this API are displayed in UTC.

**HTTP Response Codes:**

200	Function successfully executed.
400	Invalid API location. Check the URL that you are using.
403	Invalid or missing API key. Check that your API key is present and matches your assigned key.
405	Invalid HTTP method. Check that the method (POST GET) matches what the documentation indicates.
412	Request failed. Check the response body for a more detailed description.
500	Internal server error. Try again at a later time.
503	Rate limit hit. API requests are limited to an average of 3/s. Try your request again later.

### Examples

**GET request with no arguments**

```
curl "https://api.vultr.com/v1/os/list"
```

**GET request that requires your API key**

```
curl -H 'API-Key: YOURKEY' "https://api.vultr.com/v1/server/list"
```

**GET request with additional parameters**

```
curl -H 'API-Key: YOURKEY' -G --data "SUBID=12345" "https://api.vultr.com/v1/server/list"
```

**POST request that requires your API key**

```
curl -H 'API-Key: YOURKEY' --data "SUBID=12345" "https://api.vultr.com/v1/server/start"
```

**POST request with additional parameters**

```
curl -H 'API-Key: YOURKEY' --data "SUBID=12345" --data-urlencode 'label=my server!'  
"https://api.vultr.com/v1/server/label_set"
```

### Account

[/v1/account/info](#)

Retrieve information about the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

billing

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/account/info
```

**Example Response:**

```
{
  "balance": "-5519.11",
  "pending_charges": "57.03",
  "last_payment_date": "2014-07-18 15:31:01",
  "last_payment_amount": "-1.00"
}
```

**Parameters:**

```
No parameters
```

## Application

### /v1/app/list

Retrieve a list of available applications. These refer to applications that can be launched when creating a Vultr VPS.

The "surcharge" field is deprecated and will always be set to zero.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/app/list
```

**Example Response:**

```
{
  "1": {
    "APPID": "1",
    "name": "LEMP",
    "short_name": "lemp",
    "deploy_name": "LEMP on CentOS 6 x64",
    "surcharge": 0
  },
  "2": {
    "APPID": "2",
    "name": "WordPress",

```

```
"short_name": "wordpress",
"deploy_name": "WordPress on CentOS 6 x64",
"surcharge": 0
}
}
```

**Parameters:**

No parameters

## API Key

### /v1/auth/info

Retrieve information about the current API key.

**API Key Required:**

Yes

**Request Type:**

GET

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/auth/info
```

**Example Response:**

```
{
  "acls": [
    "subscriptions",
    "billing",
    "support",
    "provisioning"
  ],
  "email": "example@vultr.com",
  "name": "Example Account"
}
```

**Parameters:**

No parameters

## Backup

### /v1/backup/list

List all backups on the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/backup/list
```

**Example Response:**

```
{
  "543d34149403a": {
    "BACKUPID": "543d34149403a",
    "date_created": "2014-10-14 12:40:40",
    "description": "Automatic server backup",
    "size": "42949672960",
    "status": "complete"
  },
  "543d340f6dbce": {
    "BACKUPID": "543d340f6dbce",
    "date_created": "2014-10-13 16:11:46",
    "description": "",
    "size": "10000000",
    "status": "complete"
  }
}
```

**Parameters:**

SUBID integer (optional) Filter result set to only contain backups of this subscription object.  
BACKUPID string (optional) Filter result set to only contain this backup.

## Bare Metal

### /v1/baremetal/app\_change

Reinstalls the bare metal server to a different Vultr one-click application. All data will be permanently lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/app_change --data 'SUBID=900000' --data 'APPID=2'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.  
APPID integer Application to use. See /v1/baremetal/app\_change\_list.

## /v1/baremetal/app\_change\_list

Retrieves a list of Vultr one-click applications to which a bare metal server can be changed. Always check against this list before trying to switch applications because it is not possible to switch between every application combination.

The "surcharge" field is deprecated and will always be set to zero.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/app_change_list?SUBID=900000
```

### Example Response:

```
{
  "1": {
    "APPID": "1",
    "name": "LEMP",
    "short_name": "lemp",
    "deploy_name": "LEMP on CentOS 6 x64",
    "surcharge": 0
  },
  "2": {
    "APPID": "2",
    "name": "WordPress",
    "short_name": "wordpress",
    "deploy_name": "WordPress on CentOS 6 x64",
    "surcharge": 0
  }
}
```

### Parameters:

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.
```

## /v1/baremetal/bandwidth

Get the bandwidth used by a bare metal server.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/bandwidth?SUBID=900000
```

**Example Response:**

```
{
  "incoming_bytes": [
    [
      "2017-04-01",
      91571055
    ],
    [
      "2017-04-02",
      78355758
    ],
    [
      "2017-04-03",
      85827590
    ]
  ],
  "outgoing_bytes": [
    [
      "2017-04-01",
      3084731
    ],
    [
      "2017-04-02",
      1810478
    ],
    [
      "2017-04-03",
      2729604
    ]
  ]
}
```

**Parameters:**

No parameters

**/v1/baremetal/create**

Create a new bare metal server. You will start being billed for this immediately. The response only contains the SUBID for the new machine.

You should use v1/baremetal/list to poll and wait for the machine to be created (as this does not happen instantly).

In order to create a server using a snapshot, use OSID 164 and specify a SNAPSHOTID.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

provisioning

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/create --data 'DCID=1' --data 'METALPLANID=1' --data 'OSID=127'
```

**Example Response:**

```
{  
  "SUBID": "900000"  
}
```

**Parameters:**

DCID integer Location in which to create the server. See v1/regions/list.

METALPLANID integer Plan to use when creating this server. See v1/plans/list\_baremetal.

OSID integer Operating system to use. See v1/os/list.

SCRIPTID integer (optional) The SCRIPTID of a startup script to execute on boot. This only works when using a Vultr supplied operating system. See v1/startupscript/list.

SNAPSHOTID string (optional) If you've selected the 'snapshot' operating system, this should be the SNAPSHOTID (see v1/snapshot/list) to restore for the initial installation.

enable\_ipv6 string (optional) 'yes' or 'no'. If yes, an IPv6 subnet will be assigned to the server.

label string (optional) This is a text label that will be shown in the control panel.

SSHKEYID string (optional) List of SSH keys to apply to this server on install (only valid for Linux/FreeBSD). See v1/sshkey/list. Separate keys with commas.

APPID integer (optional) If launching an application (OSID 186), this is the APPID to launch. See v1/app/list.

userdata string (optional) Base64 encoded user-data.

notify\_activate string (optional, default 'yes') 'yes' or 'no'. If yes, an activation email will be sent when the server is ready.

hostname string (optional) The hostname to assign to this server.

tag string (optional) The tag to assign to this server.

**/v1/baremetal/destroy**

Destroy (delete) a bare metal server. All data will be permanently lost, and the IP address will be released. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/destroy --data 'SUBID=900000'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/get\_app\_info

Retrieves the application information for a bare metal server.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/get_app_info?SUBID=900000
```

### Example Response:

```
{  
  "app_info": ""  
}
```

### Parameters:

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/get\_user\_data

Retrieves the (base64 encoded) user-data for this subscription.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/get_user_data?SUBID=900000
```

### Example Response:

```
{  
  "userdata": "ZWNobyBIZWxsbyBXb3JsZA=="  
}
```

### Parameters:

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/halt

Halt a bare metal server. This is a hard power off, meaning that the power to the machine is severed. The data on the machine will not be modified, and you will still be billed for the machine. To completely delete a machine, see v1/baremetal/destroy.

### API Key Required:



Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/halt --data 'SUBID=900000'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.
```

## /v1/baremetal/ipv6\_enable

Enables IPv6 networking on a bare metal server by assigning an IPv6 subnet to it. The server will not be rebooted when the subnet is assigned. It is possible to check whether or not IPv6 networking has been enabled with v1/baremetal/list\_ipv6.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/ipv6_enable --data 'SUBID=900000'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.
```

## /v1/baremetal/label\_set

Set the label of a bare metal server.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/label_set --data 'SUBID=900000' --data 'label=example'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.  
label string This is a text label that will be shown in the control panel.

**/v1/baremetal/list**

List all bare metal servers on the current account. This includes both pending and active servers.

The "status" field represents the status of the subscription. It will be one of: pending | active | suspended | closed.

If you need to filter the list, review the parameters for this function. Currently, only one filter at a time may be applied (SUBID, tag, label, main\_ip).

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/list
```

**Example Response:**

```
{
  "900000": {
    "SUBID": "900000",
    "os": "CentOS 6 x64",
    "ram": "65536 MB",
    "disk": "2x 240 GB SSD",
    "main_ip": "203.0.113.10",
    "cpu_count": 1,
    "location": "New Jersey",
    "DCID": "1",
    "default_password": "ab81u!ryranq",
    "date_created": "2017-04-12 18:45:41",
    "status": "active",
    "netmask_v4": "255.255.255.0",
    "gateway_v4": "203.0.113.1",
    "METALPLANID": 28,
    "v6_networks": [
      {
        "v6_network": "2001:DB8:9000::",
        "v6_main_ip": "2001:DB8:9000::100",
        "v6_network_size": 64
      }
    ]
  }
}
```

```
  ],
  "label": "my label",
  "tag": "my tag",
  "OSID": "127",
  "APPID": "0"
}
```

**Parameters:**

SUBID integer (optional) Unique identifier of a subscription. Only the subscription object will be returned.  
tag string (optional) A tag string. Only subscription objects with this tag will be returned.  
label string (optional) A text label string. Only subscription objects with this text label will be returned.  
main\_ip string (optional) An IPv4 address. Only the subscription matching this IPv4 address will be returned.

## /v1/baremetal/list\_ipv4

List the IPv4 information of a bare metal server. IP information is only available for bare metal servers in the "active" state.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/list_ipv4?SUBID=900000
```

**Example Response:**

```
{
  "900000": [
    {
      "ip": "203.0.113.10",
      "netmask": "255.255.255.0",
      "gateway": "203.0.113.1",
      "type": "main_ip"
    }
  ]
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/list\_ipv6

List the IPv6 information of a bare metal server. IP information is only available for bare metal servers in the "active" state. If the bare metal server does not have IPv6 enabled, then an empty array is returned.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/list_ipv6?SUBID=900000
```

**Example Response:**

```
{
  "900000": [
    {
      "ip": "2001:DB8:9000::100",
      "network": "2001:DB8:9000::",
      "network_size": 64,
      "type": "main_ip"
    }
  ]
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/os\_change

Changes the bare metal server to a different operating system. All data will be permanently lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/os_change --data 'SUBID=900000' --data 'OSID=127'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.  
OSID integer Operating system to use. See /v1/baremetal/os\_change\_list.

## /v1/baremetal/os\_change\_list

Retrieves a list of operating systems to which a bare metal server can be changed. Always check against this list before trying to switch operating systems because it is not possible to switch between every operating system combination.

The "surcharge" field is deprecated and will always be set to zero.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/os_change_list?SUBID=900000
```

**Example Response:**

```
{
  "127": {
    "OSID": "127",
    "name": "CentOS 6 x64",
    "arch": "x64",
    "family": "centos",
    "windows": false,
    "surcharge": 0
  },
  "148": {
    "OSID": "148",
    "name": "Ubuntu 12.04 i386",
    "arch": "i386",
    "family": "ubuntu",
    "windows": false,
    "surcharge": 0
  }
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/reboot

Reboot a bare metal server. This is a hard reboot, which means that the server is powered off, then back on.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/reboot --data 'SUBID=900000'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/reinstall

Reinstall the operating system on a bare metal server. All data will be permanently lost, but the IP address will remain the same. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/reinstall --data 'SUBID=900000'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.

## /v1/baremetal/set\_user\_data

Sets the user-data for this subscription. User-data is a generic data store, which some provisioning tools and cloud operating systems use as a configuration file. It is generally consumed only once after an instance has been launched, but individual needs may vary.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/set_user_data --data 'SUBID=900000' --data 'userdata=ZWNobyBIZWxsbyBxb3JsZA=='
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.  
userdata string Base64 encoded user-data

## /v1/baremetal/tag\_set

Set the tag of a bare metal server.

### API Key Required:

Yes

### Request Type:

POST

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/baremetal/tag_set --data 'SUBID=900000' --data 'tag=Web'
```

### Example Response:

No response, check HTTP result code.

### Parameters:

SUBID integer Unique identifier for this subscription. These can be found using the v1/baremetal/list call.  
tag string The tag to assign to this server. This tag is shown in the control panel.

## Block Storage

### /v1/block/attach

Attach a block storage subscription to a VPS subscription. The instance will be restarted. The block storage volume must not be attached to any other VPS subscriptions for this to work.

### API Key Required:

Yes

### Request Type:

POST

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/attach --data 'SUBID=1313217' --data 'attach_to_SUBID=1313207'
```

### Example Response:

No response, check HTTP result code.

### Parameters:

SUBID integer ID of the block storage subscription to attach  
attach\_to\_SUBID integer ID of the VPS subscription to mount the block storage subscription to  
live string (optional) 'yes' or 'no'. If 'yes', this will be attached to the instance without a restart (requires support from the instance's operating system). (default is 'no')

### /v1/block/create

Create a block storage subscription.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

provisioning

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/create --data 'DCID=1' --data 'size_gb=50' --data 'label=test'
```

**Example Response:**

```
{  
  "SUBID": "1313217"  
}
```

**Parameters:**

DCID integer DCID of the location to create this subscription in. See `/v1/regions/list`  
size\_gb integer Size (in GB) of this subscription.  
label string (optional) Text label that will be associated with the subscription

## **/v1/block/delete**

Delete a block storage subscription. All data will be permanently lost. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/delete --data 'SUBID=1313217'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer ID of the block storage subscription to delete

## **/v1/block/detach**

Detach a block storage subscription from the currently attached instance. The instance will be restarted.

We do not recommend using live detaches unless you are certain that the volume has been unmounted from your operating system. Detaching a mounted volume may result in data loss/corruption.

**API Key Required:**

Yes

**Request Type:**

POST



**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/detach --data 'SUBID=1313217'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer ID of the block storage subscription to detach  
live string (optional) 'yes' or 'no'. If 'yes', this will be detached from the instance without a restart. (default is 'no')

## /v1/block/label\_set

Set the label of a block storage subscription.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/label_set --data 'SUBID=1313217' --data 'label=example'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer ID of the block storage subscription.  
label string Text label that will be shown in the control panel.

## /v1/block/list

Retrieve a list of any active block storage subscriptions on this account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/list
```

**Example Response:**

```
[  
  {  
    "SUBID": 1313216,  
    ...  
  }  
]
```

```
[
  {
    "date_created": "2016-03-29 10:10:04",
    "cost_per_month": 10,
    "status": "pending",
    "size_gb": 100,
    "DCID": 1,
    "attached_to_SUBID": null,
    "label": "files1"
  },
  {
    "SUBID": 1313217,
    "date_created": "2016-31-29 10:10:48",
    "cost_per_month": 5,
    "status": "active",
    "size_gb": 50,
    "DCID": 1,
    "attached_to_SUBID": 1313207,
    "label": "files2"
  }
]
```

**Parameters:**

SUBID integer (optional) Unique identifier of a subscription. Only the subscription object will be returned.

## /v1/block/resize

Resize the block storage volume to a new size.

WARNING: When shrinking the volume, you must manually shrink the filesystem and partitions beforehand, or you will lose data.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/block/resize --data 'SUBID=1313217' --data 'size_gb=75'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer ID of the block storage subscription to resize  
size\_gb integer New size (in GB) of the block storage subscription

## DNS

### /v1/dns/create\_domain

Create a domain name in DNS.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/create_domain --data 'domain=example.com' --data 'serverip=127.0.0.1'
```

**Example Response:****Parameters:**

```
domain string Domain name to create
serverip string Server IP to use when creating default records (A and MX)
```

## /v1/dns/create\_record

Add a DNS record.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/create_record --data 'domain=example.com' --data 'name=vultr' --data 'type=A' --data 'data=192.0.2.1'
```

**Example Response:****Parameters:**

```
domain string Domain name to add record to
name string Name (subdomain) of record
type string Type (A, AAAA, MX, etc) of record
data string Data for this record
ttl integer (optional) TTL of this record
priority integer (only required for MX and SRV) Priority of this record (omit the priority from the data)
```

## /v1/dns/delete\_domain

Delete a domain name and all associated records.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/delete_domain --data 'domain=example.com'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
domain string Domain name to delete
```

## **/v1/dns/delete\_record**

Delete an individual DNS record.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/delete_record --data 'domain=example.com' --data 'RECORDID=1265277'
```

**Example Response:**

**Parameters:**

```
domain string Domain name to delete record from  
RECORDID integer ID of record to delete (see /dns/records)
```

## **/v1/dns/dnssec\_enable**

Enable or disable DNSSEC for a domain.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/dnssec_enable --data 'domain=example.com' --data 'enable=yes'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
domain string Domain name to update record
enable string 'yes' or 'no'. If yes, DNSSEC will be enabled for the given domain
```

**/v1/dns/dnssec\_info**

Get the DNSSEC keys (if enabled) for a domain.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/dnssec_info?domain=example.com
```

**Example Response:**

```
[
  "example.com IN DNSKEY 257 3 13
  kRrxANp7YTGqVbaWtMy8hhsK0jcG4ajjICZKmb4fKv79VxVRSn76vNjzIT7VUo0BXil01Fk8RRQc4nWZctGJBA
  ==",
  "example.com IN DS 27933 13 1 2d9ac457e5c11a104e25d971d0a6254562bddde7",
  "example.com IN DS 27933 13 2
  8858e7b0dfb881280ce2ca1e0eafcd93d5b53687c21da284d4f8799ba82208a9"
]
```

**Parameters:**

```
domain string Domain from which to gather DNSSEC keys.
```

**/v1/dns/list**

List all domains associated with the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/list
```

**Example Response:**

```
[
  {
    "domain": "example.com",
    "date_created": "2014-12-11 16:20:59"
  }
]
```

**Parameters:**

No parameters

**/v1/dns/records**

List all the records associated with a particular domain.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/records?domain=example.com
```

**Example Response:**

```
[
  {
    "type": "A",
    "name": "",
    "data": "127.0.0.1",
    "priority": 0,
    "RECORDID": 1265276,
    "ttl": 300
  },
  {
    "type": "CNAME",
    "name": "*",
    "data": "example.com",
    "priority": 0,
    "RECORDID": 1265277,
    "ttl": 300
  }
]
```

**Parameters:**

domain string Domain to list records for

**/v1/dns/soa\_info**

Get the SOA record information for a domain.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/soa_info?domain=example.com
```

**Example Response:**

```
{  
  "nsprimary": "ns1.vultr.com",  
  "email": "dnsadm@vultr.com"  
}
```

**Parameters:**

domain string Domain from which to gather SOA information

## /v1/dns/soa\_update

Update the SOA record information for a domain.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/soa_update --data 'domain=example.com' --data 'nsprimary=ns1.vultr.com' --data 'email=admin@example.com'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

domain string Domain name to update record  
nsprimary string (Optional) Primary nameserver to store in the SOA record  
email string (Optional) Administrative email to store in the SOA record

## /v1/dns/update\_record

Update a DNS record.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

dns

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/dns/update_record --data 'domain=example.com' --data 'RECORDID=1265277' --data 'name=vultr' --data 'type=A' --data 'data=127.0.0.1'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

domain string Domain name to update record

RECORDID integer ID of record to update (see /dns/records)  
name string (optional) Name (subdomain) of record  
data string (optional) Data for this record  
ttl integer (optional) TTL of this record  
priority integer (optional) (only required for MX and SRV) Priority of this record (omit the priority from the data)

## Firewall

### /v1/firewall/group\_create

Create a new firewall group on the current account.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

firewall

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/group_create --data 'description=group1'
```

**Example Response:**

```
{  
  "FIREWALLGROUPIP": "1234abcd"  
}
```

**Parameters:**

description string (optional) Description of firewall group.

### /v1/firewall/group\_delete

Delete a firewall group. Use this function with caution because the firewall group being deleted will be detached from all servers. This can result in open ports accessible to the internet.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

firewall

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/group_delete --data  
'FIREWALLGROUPIP=1234abcd'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

FIREWALLGROUPIP string Firewall group to delete.



## /v1/firewall/group\_list

List all firewall groups on the current account.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

firewall

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/group_list
```

### Example Response:

```
{
  "1234abcd": {
    "FIREWALLGROUPLD": "1234abcd",
    "description": "my http firewall",
    "date_created": "2017-02-14 17:48:40",
    "date_modified": "2017-02-14 17:48:40",
    "instance_count": 2,
    "rule_count": 2,
    "max_rule_count": 50
  }
}
```

### Parameters:

```
FIREWALLGROUPLD string (optional) Filter result set to only contain this firewall group.
```

## /v1/firewall/group\_set\_description

Change the description on a firewall group.

### API Key Required:

Yes

### Request Type:

POST

### Required Access:

firewall

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/group_set_description --data 'FIREWALLGROUPLD=1234abcd' --data 'description=group2'
```

### Example Response:

```
No response, check HTTP result code.
```

### Parameters:

```
FIREWALLGROUPLD string Firewall group to update.
description string Description of firewall group.
```

## /v1/firewall/rule\_create

Create a rule in a firewall group.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

firewall

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/rule_create --data 'FIREWALLGROUPID=1234abcd' --data 'direction=in' --data 'ip_type=v4' --data 'protocol=tcp' --data 'subnet=10.234.22.0' --data 'subnet_size=24' --data 'port=80' --data 'notes=example text'
```

**Example Response:**

```
{
  "rulenumber": 2
}
```

**Parameters:**

FIREWALLGROUPID string Target firewall group. See /v1/firewall/group\_list.  
direction string Direction of rule. Possible values: "in".  
ip\_type string IP address type. Possible values: "v4", "v6".  
protocol string Protocol type. Possible values: "icmp", "tcp", "udp", "gre".  
subnet string IP address representing a subnet. The IP address format must match with the "ip\_type" parameter value.  
subnet\_size integer IP prefix size in bits.  
port string (optional) TCP/UDP only. This field can be an integer value specifying a port or a colon separated port range.  
notes string (optional) This field supports notes up to 255 characters.

## /v1/firewall/rule\_delete

Delete a rule in a firewall group.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

firewall

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/firewall/rule_delete --data 'FIREWALLGROUPID=1234abcd' --data 'rulenumber=2'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

FIREWALLGROUPID string Target firewall group. See /v1/firewall/group\_list.  
rulenumber integer Rule number to delete. See /v1/firewall/rule\_list.

## /v1/firewall/rule\_list

List the rules in a firewall group.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

firewall

### Example Request:

```
curl -H 'API-Key: YOURKEY'  
'https://api.vultr.com/v1/firewall/rule_list?FIREWALLGROUPID=1234abcd&direction=in&ip_type=v4'
```

### Example Response:

```
{  
  "1": {  
    "rulenumbr": 1,  
    "action": "accept",  
    "protocol": "icmp",  
    "port": "",  
    "subnet": "",  
    "subnet_size": 0,  
    "notes": ""  
  },  
  "2": {  
    "rulenumbr": 2,  
    "action": "accept",  
    "protocol": "tcp",  
    "port": "80",  
    "subnet": "10.234.22.0",  
    "subnet_size": 24,  
    "notes": "example"  
  }  
}
```

### Parameters:

```
FIREWALLGROUPID string Target firewall group. See /v1/firewall/group_list.  
direction string Direction of firewall rules. Possible values: "in".  
ip_type string IP address type. Possible values: "v4", "v6".
```

## ISO Image

### /v1/iso/create\_from\_url

Create a new ISO image on the current account. The ISO image will be downloaded from a given URL. Download status can be checked with the v1/iso/list call.

### API Key Required:

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/iso/create_from_url --data 'url=http://example.com/path/to/CentOS-6.5-x86_64-minimal.iso'
```

**Example Response:**

```
{  
  "ISOID": 24  
}
```

**Parameters:**

url string Remote URL from where the ISO will be downloaded.

## /v1/iso/destroy

Destroy (delete) an ISO image. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/iso/destroy --data 'ISOID=24'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

ISOID integer Unique identifier for this ISO image. These can be found using the v1/iso/list call.

## /v1/iso/list

List all ISOs currently available on this account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/iso/list
```

**Example Response:**

```
{
```

```
"24": {
  "ISOID": 24,
  "date_created": "2014-04-01 14:10:09",
  "filename": "CentOS-6.5-x86_64-minimal.iso",
  "size": 9342976,
  "md5sum": "ec0669895a250f803e1709d0402fc411",
  "status": "complete"
}
```

**Parameters:**

No parameters

## /v1/iso/list\_public

List public ISOs offered in the Vultr ISO library.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/iso/list_public
```

**Example Response:**

```
{
  "204515": {
    "ISOID": 204515,
    "name": "CentOS 7",
    "description": "7 x86_64 Minimal"
  }
}
```

**Parameters:**

No parameters

## Network

### /v1/network/create

Create a new private network. A private network can only be used at the location for which it was created.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/network/create --data 'DCID=1' --data 'description=test' --data 'v4_subnet=10.99.0.0' --data 'v4_subnet_mask=24'
```

**Example Response:**

```
{  
  "NETWORKID": "net59a0526477dd3"  
}
```

**Parameters:**

DCID integer Location for the network. See v1/regions/list.  
description string (optional) Description of network.  
v4\_subnet string (optional) IPv4 network to be used when attaching servers to this network.  
v4\_subnet\_mask int (optional) Network mask corresponding with the v4\_subnet.

**/v1/network/destroy**

Destroy (delete) a private network. Before destroying, a network must be disabled from all instances. See /v1/server/private\_network\_disable.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/network/destroy --data 'NETWORKID=net539626f0798d7'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

NETWORKID string Unique identifier for this network. These can be found using the v1/network/list call.

**/v1/network/list**

List all private networks on the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/network/list
```

**Example Response:**

```
{
```

```
"net539626f0798d7": {
  "DCID": "1",
  "NETWORKID": "net539626f0798d7",
  "date_created": "2017-08-25 12:23:45",
  "description": "test1",
  "v4_subnet": "10.99.0.0",
  "v4_subnet_mask": 24
},
"net53962b0f2341f": {
  "DCID": "1",
  "NETWORKID": "net53962b0f2341f",
  "date_created": "2014-06-09 17:45:51",
  "description": "vultr",
  "v4_subnet": "0.0.0.0",
  "v4_subnet_mask": 0
}
}
```

**Parameters:**

No parameters

## Operating System

### /v1/os/list

Retrieve a list of available operating systems. If the "windows" flag is true, a Windows license will be included with the instance, which will increase the cost.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/os/list
```

**Example Response:**

```
{
  "127": {
    "OSID": "127",
    "name": "CentOS 6 x64",
    "arch": "x64",
    "family": "centos",
    "windows": false
  },
  "148": {
    "OSID": "148",
    "name": "Ubuntu 12.04 i386",
    "arch": "i386",
    "family": "ubuntu",
    "windows": false
  }
}
```

```
}  
}
```

**Parameters:**

No parameters

## Plans

### /v1/plans/list

Retrieve a list of all active plans. Plans that are no longer available will not be shown.

The "windows" field is no longer in use, and will always be false. Windows licenses will be automatically added to any plan as necessary.

The "deprecated" field indicates that the plan will be going away in the future. New deployments of it will still be accepted, but you should begin to transition away from its usage. Typically, deprecated plans are available for 30 days after they are deprecated.

Note: The \$2.50 sandbox and \$3.50 plan are not available in the API.

**API Key Required:**

Yes

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/plans/list?type=vc2
```

**Example Response:**

```
{  
  "1": {  
    "VPSPLANID": "1",  
    "name": "Starter",  
    "vcpu_count": "1",  
    "ram": "512",  
    "disk": "20",  
    "bandwidth": "1",  
    "price_per_month": "5.00",  
    "windows": false,  
    "plan_type": "SSD",  
    "available_locations": [  
      1,  
      2,  
      3  
    ]  
  },  
  "2": {  
    "VPSPLANID": "2",  
    "name": "Basic",  
    "vcpu_count": "1",
```



```
"ram": "1024",
"disk": "30",
"bandwidth": "2",
"price_per_month": "8.00",
"windows": false,
"plan_type": "SATA",
"available_locations": [],
"deprecated": true
}
}
```

**Parameters:**

type string (optional) The type of plans to return. Possible values: "all", "vc2", "ssd", "vdc2", "dedicated".

### /v1/plans/list\_baremetal

Retrieve a list of all active bare metal plans. Plans that are no longer available will not be shown.

The 'deprecated' field indicates that the plan will be going away in the future. New deployments of it will still be accepted, but you should begin to transition away from its usage. Typically, deprecated plans are available for 30 days after they have been deprecated.

**API Key Required:**

Yes

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/plans/list_baremetal
```

**Example Response:**

```
{
  "1": {
    "METALPLANID": "1",
    "name": "65536 MB RAM,2x 240 GB SSD,5.00 TB BW",
    "cpu_count": 1,
    "ram": 65536,
    "disk": "2x 240 GB SSD",
    "bandwidth_tb": 5,
    "price_per_month": 100,
    "plan_type": "SSD",
    "deprecated": false,
    "available_locations": [
      1,
      2,
      3
    ]
  }
}
```

**Parameters:**

No parameters

## /v1/plans/list\_vc2

Retrieve a list of all active vc2 plans. Plans that are no longer available will not be shown.

The 'deprecated' field indicates that the plan will be going away in the future. New deployments of it will still be accepted, but you should begin to transition away from its usage. Typically, deprecated plans are available for 30 days after they are deprecated.

Note: The \$2.50 sandbox and \$3.50 plan are not available in the API.

### API Key Required:

Yes

### Request Type:

GET

### Example Request:

```
curl https://api.vultr.com/v1/plans/list_vc2
```

### Example Response:

```
{
  "1": {
    "VPSPLANID": "1",
    "name": "Starter",
    "vcpu_count": "1",
    "ram": "512",
    "disk": "20",
    "bandwidth": "1",
    "price_per_month": "5.00",
    "plan_type": "SSD"
  }
}
```

### Parameters:

No parameters

## /v1/plans/list\_vdc2

Retrieve a list of all active vdc2 plans. Plans that are no longer available will not be shown.

The 'deprecated' field indicates that the plan will be going away in the future. New deployments of it will still be accepted, but you should begin to transition away from its usage. Typically, deprecated plans are available for 30 days after they are deprecated.

### API Key Required:

Yes

### Request Type:

GET

### Example Request:

```
curl https://api.vultr.com/v1/plans/list_vdc2
```

### Example Response:

```
{
```

```
"115": {
  "VPSPLANID": "115",
  "name": "8192 MB RAM,110 GB SSD,10.00 TB BW",
  "vcpu_count": "2",
  "ram": "8192",
  "disk": "110",
  "bandwidth": "10.00",
  "price_per_month": "60.00",
  "plan_type": "DEDICATED"
}
```

**Parameters:**

No parameters

## Regions

### **/v1/regions/availability**

Retrieve a list of the VPSPLANIDs currently available in this location.

If your account has special plans available, you will need to pass your API key in order to see them. For all other accounts, the API key is not required.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/regions/availability?DCID=1
```

**Example Response:**

```
[
  40,
  11,
  45,
  29,
  41,
  61
]
```

**Parameters:**

DCID integer Location to check availability.  
type string (optional) The type of plans for which to include availability. Possible values: "all", "vc2", "ssd", "vdc2", "dedicated".

### **/v1/regions/availability\_baremetal**

Retrieve a list of the METALPLANIDs currently available in this location.

If your account has special plans available, you will need to pass your API key in order to see them. For all other accounts, the API key is not required.

**API Key Required:**

Yes

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/regions/availability_baremetal?DCID=1
```

**Example Response:**

```
[  
  1,  
  2,  
  3,  
  4,  
  5  
]
```

**Parameters:**

DCID integer Location to check availability.

### **/v1/regions/availability\_vc2**

Retrieve a list of the vc2 VPSPLANIDs currently available in this location.

If your account has special plans available, you will need to pass your API key in order to see them. For all other accounts, the API key is not required.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/regions/availability_vc2?DCID=1
```

**Example Response:**

```
[  
  40,  
  11,  
  45,  
  29,  
  41,  
  61  
]
```

**Parameters:**

DCID integer Location to check availability.

### **/v1/regions/availability\_vdc2**

Retrieve a list of the vdc2 VPSPLANIDs currently available in this location.

If your account has special plans available, you will need to pass your API key in order to see them. For all other accounts, the API key is not required.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/regions/availability_vdc2?DCID=1
```

**Example Response:**

```
[
  40,
  11,
  45,
  29,
  41,
  61
]
```

**Parameters:**

```
DCID integer Location to check availability.
```

## /v1/regions/list

Retrieve a list of all active regions. Note that just because a region is listed here, does not mean that there is room for new servers.

**API Key Required:**

No

**Request Type:**

GET

**Example Request:**

```
curl https://api.vultr.com/v1/regions/list
```

**Example Response:**

```
{
  "1": {
    "DCID": "1",
    "name": "New Jersey",
    "country": "US",
    "continent": "North America",
    "state": "NJ",
    "ddos_protection": true,
    "block_storage": true,
    "regioncode": "EWR"
  },
  "2": {
    "DCID": "2",
```

```
"name": "Chicago",
"country": "US",
"continent": "North America",
"state": "IL",
"ddos_protection": false,
"block_storage": false,
"regioncode": "ORD"
}
}
```

**Parameters:**

availability string (optional) 'yes' or 'no'. If 'yes', include the current availability with each region entry.

## Reserved IP

### /v1/reservedip/attach

Attach a reserved IP to an existing subscription.

This feature operates normally when networking conditions are stable, but it is not reliable for conditions when high availability is needed. For HA, see our High Availability on Vultr with Floating IP and BGP guide.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/attach --data
'ip_address=123.123.123.124/32' --data 'attach_SUBID=5342543'
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/attach --data 'ip_address=2001:db8:8000::/64'
--data 'attach_SUBID=5342543'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

ip\_address string Reserved IP to be attached. Include the subnet size in this parameter (e.g: /32 or /64).  
attach\_SUBID integer Unique identifier of the target server.

### /v1/reservedip/convert

Convert an existing IP on a subscription to a reserved IP. Returns the SUBID of the newly created reserved IP.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/convert --data 'SUBID=5342543' --data 'ip_address=2001:db8:8000:/64'
```

**Example Response:**

```
{  
  "SUBID": 365352  
}
```

**Parameters:**

SUBID integer SUBID of the server that currently has the IP address you want to convert  
ip\_address string IP address you want to convert (v4 must be a /32, v6 must be a /64)  
label string (optional) Label for this reserved IP

### **/v1/reservedip/create**

Create a new reserved IP. Reserved IPs can only be used within the same datacenter for which they were created.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/create --data 'DCID=1' --data 'ip_type=v4'
```

**Example Response:**

```
{  
  "SUBID": 1312965  
}
```

**Parameters:**

DCID integer Location to create this reserved IP in. See v1/regions/list  
ip\_type string 'v4' or 'v6' Type of reserved IP to create  
label string (optional) Label for this reserved IP

### **/v1/reservedip/destroy**

Remove a reserved IP from your account. After making this call, you will not be able to recover the IP address.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/destroy --data 'ip_address=2001:db8:8000::/64'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
ip_address string Reserved IP to remove from your account.
```

## /v1/reservedip/detach

Detach a reserved IP from an existing subscription.

This feature operates normally when networking conditions are stable, but it is not reliable for conditions when high availability is needed. For HA, see our High Availability on Vultr with Floating IP and BGP guide.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/detach --data 'ip_address=123.123.123.124/32' --data 'detach_SUBID=5342543'
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/detach --data 'ip_address=2001:db8:8000::/64' --data 'detach_SUBID=5342543'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
ip_address string Reserved IP to be detached. Include the subnet size in this parameter (e.g: /32 or /64).
detach_SUBID integer Unique identifier of the target server.
```

## /v1/reservedip/list

List all the active reserved IPs on this account. The "subnet\_size" field is the size of the network assigned to this subscription. This will typically be a /64 for IPv6, or a /32 for IPv4.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/reservedip/list
```

**Example Response:**

```
{
```



```
"1313044": {
  "SUBID": 1313044,
  "DCID": 1,
  "ip_type": "v4",
  "subnet": "10.234.22.53",
  "subnet_size": 32,
  "label": "my first reserved ip",
  "attached_SUBID": 123456
},
"1313045": {
  "SUBID": 1313045,
  "DCID": 1,
  "ip_type": "v6",
  "subnet": "2001:db8:9999::",
  "subnet_size": 64,
  "label": "",
  "attached_SUBID": false
}
}
```

**Parameters:**

No parameters

## Server

### /v1/server/app\_change

Changes the virtual machine to a different application. All data will be permanently lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/app_change --data 'SUBID=596965' --data 'APPID=2'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
APPID integer Application to use. See /v1/server/app\_change\_list.

### /v1/server/app\_change\_list

Retrieves a list of applications to which a virtual machine can be changed. Always check against this list before

trying to switch applications because it is not possible to switch between every application combination.

The "surcharge" field is deprecated and will always be set to zero.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/app_change_list?SUBID=576965
```

**Example Response:**

```
{
  "1": {
    "APPID": "1",
    "name": "LEMP",
    "short_name": "lemp",
    "deploy_name": "LEMP on CentOS 6 x64",
    "surcharge": 0
  },
  "2": {
    "APPID": "2",
    "name": "WordPress",
    "short_name": "wordpress",
    "deploy_name": "WordPress on CentOS 6 x64",
    "surcharge": 0
  }
}
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.
```

## /v1/server/backup\_disable

Disables automatic backups on a server. Once disabled, backups can only be enabled again by customer support.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/backup_disable --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/backup\_enable

Enables automatic backups on a server.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

upgrade

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/backup_enable --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/backup\_get\_schedule

Retrieves the backup schedule for a server. All time values are in UTC.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/backup_get_schedule --data 'SUBID=576965'
```

**Example Response:**

```
{
  "enabled": true,
  "cron_type": "weekly",
  "next_scheduled_time_utc": "2016-05-07 08:00:00",
  "hour": 8,
  "dow": 6,
  "dom": 0
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/backup\_set\_schedule

Sets the backup schedule for a server. All time values are in UTC.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/backup_set_schedule --data 'SUBID=576965' --data 'cron_type=weekly' --data 'hour=8' --data 'dow=6'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
cron\_type string Backup cron type. Can be one of 'daily', 'weekly', 'monthly', 'daily\_alt\_even', or 'daily\_alt\_odd'.  
hour integer (optional) Hour value (0-23). Applicable to crons: 'daily', 'weekly', 'monthly', 'daily\_alt\_even', 'daily\_alt\_odd'  
dow integer (optional) Day-of-week value (0-6). Applicable to crons: 'weekly'.  
dom integer (optional) Day-of-month value (1-28). Applicable to crons: 'monthly'.

## /v1/server/bandwidth

Get the bandwidth used by a virtual machine.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/bandwidth?SUBID=576965
```

**Example Response:**

```
{
  "incoming_bytes": [
    [
      "2014-06-10",
      "81072581"
    ],
    [
      "2014-06-11",
      "222387466"
    ],
    [
      "2014-06-12",
      "216885232"
    ]
  ]
}
```

```
    ],
    [
      "2014-06-13",
      "117262318"
    ]
  ],
  "outgoing_bytes": [
    [
      "2014-06-10",
      "4059610"
    ],
    [
      "2014-06-11",
      "13432380"
    ],
    [
      "2014-06-12",
      "2455005"
    ],
    [
      "2014-06-13",
      "1106963"
    ]
  ]
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

### **/v1/server/create**

Create a new virtual machine. You will start being billed for this immediately. The response only contains the SUBID for the new machine.

You should use v1/server/list to poll and wait for the machine to be created (as this does not happen instantly).

In order to create a server using a snapshot, use OSID 164 and specify a SNAPSHOTID. Similarly, to create a server using an ISO use OSID 159 and specify an ISOID.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

provisioning

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/create --data 'DCID=1' --data 'VPSPLANID=1' --data 'OSID=127'
```

**Example Response:**

```
{  
  "SUBID": "1312965"  
}
```

### Parameters:

DCID integer Location to create this virtual machine in. See [v1/regions/list](#)

VPSPPLANID integer Plan to use when creating this virtual machine. See [v1/plans/list](#)

OSID integer Operating system to use. See [v1/os/list](#)

ipxe\_chain\_url string (optional) If you've selected the 'custom' operating system, this can be set to chainload the specified URL on bootup, via iPXE

ISOID string (optional) If you've selected the 'custom' operating system, this is the ID of a specific ISO to mount during the deployment

SCRIPTID integer (optional) If you've not selected a 'custom' operating system, this can be the SCRIPTID of a startup script to execute on boot. See [v1/startupscript/list](#)

SNAPSHOTID string (optional) If you've selected the 'snapshot' operating system, this should be the SNAPSHOTID (see [v1/snapshot/list](#)) to restore for the initial installation.

enable\_ipv6 string (optional) 'yes' or 'no'. If yes, an IPv6 subnet will be assigned to the machine (where available)

enable\_private\_network string (optional) 'yes' or 'no'. If yes, private networking support will be added to the new server.

NETWORKID array (optional) List of private networks to attach to this server. Use either this field or enable\_private\_network, not both

label string (optional) This is a text label that will be shown in the control panel

SSHKEYID string (optional) List of SSH keys to apply to this server on install (only valid for Linux/FreeBSD). See [v1/sshkey/list](#). Separate keys with commas

auto\_backups string (optional) 'yes' or 'no'. If yes, automatic backups will be enabled for this server (these have an extra charge associated with them)

APPID integer (optional) If launching an application (OSID 186), this is the APPID to launch. See [v1/app/list](#).

userdata string (optional) Base64 encoded user-data

notify\_activate string (optional, default 'yes') 'yes' or 'no'. If yes, an activation email will be sent when the server is ready.

ddos\_protection (optional, default 'no') 'yes' or 'no'. If yes, DDOS protection will be enabled on the subscription (there is an additional charge for this)

reserved\_ip\_v4 string (optional) IP address of the floating IP to use as the main IP of this server

hostname string (optional) The hostname to assign to this server.

tag string (optional) The tag to assign to this server.

FIREWALLGROUPID string (optional) The firewall group to assign to this server. See [/v1/firewall/group\\_list](#).

## **/v1/server/create\_ipv4**

Add a new IPv4 address to a server. You will start being billed for this immediately. The server will be rebooted unless you specify otherwise. You must reboot the server before the IPv4 address can be configured.

### **API Key Required:**

Yes

### **Request Type:**

POST

### **Required Access:**

upgrade

### **Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/create_ipv4 --data 'SUBID=576965'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
reboot string (optional, default 'yes') 'yes' or 'no'. If yes, the server is rebooted immediately.
```

## /v1/server/destroy

Destroy (delete) a virtual machine. All data will be permanently lost, and the IP address will be released. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/destroy --data 'SUBID=576965'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.
```

## /v1/server/destroy\_ipv4

Removes a secondary IPv4 address from a server. Your server will be hard-restarted. We suggest halting the machine gracefully before removing IPs.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/destroy_ipv4 --data 'SUBID=576965' --data  
'ip=192.0.2.1'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
ip string IPv4 address to remove.
```

## /v1/server/firewall\_group\_set

Set, change, or remove the firewall group currently applied to a server.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/firewall_group_set --data 'SUBID=576965' --data 'FIREWALLGROUPID=1234abcd'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. See v1/server/list.  
FIREWALLGROUPID string The firewall group to apply to this server. A value of "0" means "no firewall group". See /v1/firewall/group_list.
```

## /v1/server/get\_app\_info

Retrieves the application information for this subscription.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/get_app_info?SUBID=12345
```

**Example Response:**

```
{  
  "app_info": ""  
}
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.
```

## /v1/server/get\_user\_data

Retrieves the (base64 encoded) user-data for this subscription.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**



subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/get_user_data?SUBID=12345
```

**Example Response:**

```
{  
  "userdata": "ZWNobyBIZWxsbyBxb3JsZA=="  
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/halt

Halt a virtual machine. This is a hard power off (basically, unplugging the machine). The data on the machine will not be modified, and you will still be billed for the machine. To completely delete a machine, see v1/server/destroy.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/halt --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/ipv6\_enable

Enables IPv6 networking on a server by assigning an IPv6 subnet to it. The server will be automatically rebooted to complete the request. No action occurs if IPv6 networking was already enabled. It is possible to check whether or not IPv6 networking has been enabled with v1/server/list\_ipv6.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/ipv6_enable --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

**/v1/server/iso\_attach**

Attach an ISO and reboot the server.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/iso_attach --data 'SUBID=576965' --data 'ISOID=24'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the /v1/server/list call.  
ISOID integer The ISO that will be mounted. See the /v1/iso/list call.

**/v1/server/iso\_detach**

Detach the currently mounted ISO and reboot the server.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/iso_detach --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the /v1/server/list call.

**/v1/server/iso\_status**

Retrieve the current ISO state for a given subscription. The returned state may be one of: ready | isomounting | isomounted. ISOID will only be set when the mounted ISO exists in your library ( see /v1/iso/list ). Otherwise, it will read "0".

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/iso_status --data 'SUBID=576965'
```

**Example Response:**

```
{  
  "state": "ready",  
  "ISOID": "0"  
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the /v1/server/list call.

## /v1/server/label\_set

Set the label of a virtual machine.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/label_set --data 'SUBID=576965' --data 'label=example'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
label string This is a text label that will be shown in the control panel.

## /v1/server/list

List all active or pending virtual machines on the current account.

The "status" field represents the status of the subscription and will be one of: pending | active | suspended | closed. If the status is "active", you can check "power\_status" to determine if the VPS is powered on or not. When status is "active", you may also use "server\_state" for a more detailed status of: none | locked | installingbooting | isomounting | ok.

The API does not provide any way to determine if the initial installation has completed or not.

The "v6\_network", "v6\_main\_ip", and "v6\_network\_size" fields are deprecated in favor of "v6\_networks".

The "kvm\_url" value will change periodically. It is not advised to cache this value.

If you need to filter the list, review the parameters for this function. Currently, only one filter at a time may be applied (SUBID, tag, label, main\_ip).

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/list
```

**Example Response:**

```
{
  "576965": {
    "SUBID": "576965",
    "os": "CentOS 6 x64",
    "ram": "4096 MB",
    "disk": "Virtual 60 GB",
    "main_ip": "123.123.123.123",
    "vcpu_count": "2",
    "location": "New Jersey",
    "DCID": "1",
    "default_password": "nreqnusibni",
    "date_created": "2013-12-19 14:45:41",
    "pending_charges": "46.67",
    "status": "active",
    "cost_per_month": "10.05",
    "current_bandwidth_gb": 131.512,
    "allowed_bandwidth_gb": "1000",
    "netmask_v4": "255.255.255.248",
    "gateway_v4": "123.123.123.1",
    "power_status": "running",
    "server_state": "ok",
    "VPSPLANID": "28",
    "v6_main_ip": "2001:DB8:1000::100",
    "v6_network_size": "64",
    "v6_network": "2001:DB8:1000::",
    "v6_networks": [
      {
        "v6_network": "2001:DB8:1000::",
        "v6_main_ip": "2001:DB8:1000::100",
        "v6_network_size": "64"
      }
    ],
    "label": "my new server",
    "internal_ip": "10.99.0.10",
    "kvm_url": "https://my.vultr.com/subs/novnc/vapi.php?data=eawxFVZw2mXnhGUV",
```

```
"auto_backups": "yes",
"tag": "mytag",
"OSID": "127",
"APPID": "0",
"FIREWALLGROUPID": "0"
}
}
```

#### Parameters:

SUBID integer (optional) Unique identifier of a subscription. Only the subscription object will be returned.  
tag string (optional) A tag string. Only subscription objects with this tag will be returned.  
label string (optional) A text label string. Only subscription objects with this text label will be returned.  
main\_ip string (optional) An IPv4 address. Only the subscription matching this IPv4 address will be returned.

## /v1/server/list\_ipv4

List the IPv4 information of a virtual machine. IP information is only available for virtual machines in the "active" state.

#### API Key Required:

Yes

#### Request Type:

GET

#### Required Access:

subscriptions

#### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/list_ipv4?SUBID=576965
```

#### Example Response:

```
{
  "576965": [
    {
      "ip": "123.123.123.123",
      "netmask": "255.255.255.248",
      "gateway": "123.123.123.1",
      "type": "main_ip",
      "reverse": "host1.example.com"
    },
    {
      "ip": "123.123.123.124",
      "netmask": "255.255.255.255",
      "gateway": "",
      "type": "secondary_ip",
      "reverse": "host2.example.com"
    },
    {
      "ip": "10.99.0.10",
      "netmask": "255.255.0.0",
      "gateway": "",
      "type": "private",

```

```
    "reverse": ""
  }
]
```

**Parameters:**

public\_network string (optional) 'yes' or 'no'. If 'yes', include information about the public network adapter (such as MAC address) with the "main\_ip" entry.

## /v1/server/list\_ipv6

List the IPv6 information of a virtual machine. IP information is only available for virtual machines in the "active" state. If the virtual machine does not have IPv6 enabled, then an empty array is returned.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/list_ipv6?SUBID=576965
```

**Example Response:**

```
{
  "576965": [
    {
      "ip": "2001:DB8:1000::100",
      "network": "2001:DB8:1000::",
      "network_size": "64",
      "type": "main_ip"
    }
  ]
}
```

**Parameters:**

No parameters

## /v1/server/neighbors

Determine what other subscriptions are hosted on the same physical host as a given subscription.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/neighbors?SUBID=12345
```

**Example Response:**

```
[  
  23456  
]
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

**/v1/server/os\_change**

Changes the virtual machine to a different operating system. All data will be permanently lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/os_change --data 'SUBID=576965' --data 'OSID=127'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
OSID integer Operating system to use. See /v1/server/os\_change\_list.

**/v1/server/os\_change\_list**

Retrieves a list of operating systems to which a virtual machine can be changed. Always check against this list before trying to switch operating systems because it is not possible to switch between every operating system combination.

The "surcharge" field is deprecated and will always be set to zero.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/os_change_list?SUBID=576965
```

**Example Response:**

```
{  
  "127": {
```

```
    "OSID": "127",
    "name": "CentOS 6 x64",
    "arch": "x64",
    "family": "centos",
    "windows": false,
    "surcharge": "0.00"
  },
  "148": {
    "OSID": "148",
    "name": "Ubuntu 12.04 i386",
    "arch": "i386",
    "family": "ubuntu",
    "windows": false,
    "surcharge": "0.00"
  }
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

### /v1/server/private\_network\_disable

Removes a private network from a server. The server will be automatically rebooted to complete the request.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/private_network_disable --data 'SUBID=576965' --data 'NETWORKID=net539626f0798d7'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
NETWORKID string Unique identifier for the private network to remove from this subscription. This field is optional if there is only one private network in a given location. See the v1/network/list call.

### /v1/server/private\_network\_enable

Enables private networking on a server. The server will be automatically rebooted to complete the request. No action occurs if private networking was already enabled. It is possible to check whether or not private networking has been enabled with v1/server/list\_ipv4.

If you have multiple private networks in a location, you will need to specify the NETWORKID of the network that you want to attach.



**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/private_network_enable --data 'SUBID=576965' --data 'NETWORKID=net539626f0798d7'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
NETWORKID string Unique identifier for the private network to attach to this subscription. This field is optional if there is only one private network in a given location. See the v1/network/list call.

## /v1/server/private\_networks

List private networks attached to a particular server.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/private_networks?SUBID=12345
```

**Example Response:**

```
{
  "net539626f0798d7": {
    "NETWORKID": "net539626f0798d7",
    "mac_address": "5a:02:00:00:24:e9",
    "ip_address": "10.99.0.3"
  },
  "net53962b0f2341f": {
    "NETWORKID": "net53962b0f2341f",
    "mac_address": "5a:01:00:00:24:e9",
    "ip_address": "0.0.0.0"
  }
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/reboot

Reboot a virtual machine. This is a hard reboot (basically, unplugging the machine).

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reboot --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/reinstall

Reinstall the operating system on a virtual machine. All data will be permanently lost, but the IP address will remain the same. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reinstall --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
hostname string (optional) The hostname to assign to this server.

## /v1/server/restore\_backup

Restore the specified backup to the virtual machine. Any data already on the virtual machine will be lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/restore_backup --data 'SUBID=576965' --data
```

```
'BACKUPID=543d34149403a'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
BACKUPID string BACKUPID (see v1/backup/list) to restore to this instance
```

## /v1/server/restore\_snapshot

Restore the specified snapshot to the virtual machine. Any data already on the virtual machine will be lost.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/restore_snapshot --data 'SUBID=576965' --data 'SNAPSHOTID=5359435d28b9a'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
SNAPSHOTID string SNAPSHOTID (see v1/snapshot/list) to restore to this instance
```

## /v1/server/reverse\_default\_ipv4

Set a reverse DNS entry for an IPv4 address of a virtual machine to the original setting. Upon success, DNS changes may take 6-12 hours to become active.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reverse_default_ipv4 --data 'SUBID=576965' --data 'ip=192.0.2.1'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

```
SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
ip string IPv4 address used in the reverse DNS update. These can be found with the v1/server/list_ipv4 call.
```

## /v1/server/reverse\_delete\_ipv6

Remove a reverse DNS entry for an IPv6 address of a virtual machine. Upon success, DNS changes may take 6-12 hours to become active.

### API Key Required:

Yes

### Request Type:

POST

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reverse_delete_ipv6 --data 'SUBID=576965' --data 'ip=2001:db8:1234::'
```

### Example Response:

No response, check HTTP result code.

### Parameters:

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
ip string IPv6 address used in the reverse DNS update. These can be found with the v1/server/reverse\_list\_ipv6 call.

## /v1/server/reverse\_list\_ipv6

List the IPv6 reverse DNS entries of a virtual machine. Reverse DNS entries are only available for virtual machines in the "active" state. If the virtual machine does not have IPv6 enabled, then an empty array is returned.

### API Key Required:

Yes

### Request Type:

GET

### Required Access:

subscriptions

### Example Request:

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reverse_list_ipv6?SUBID=576965
```

### Example Response:

```
{
  "576965": [
    {
      "ip": "2001:DB8:1000::101",
      "reverse": "host1.example.com"
    },
    {
      "ip": "2001:DB8:1000::102",
      "reverse": "host2.example.com"
    }
  ]
}
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

**/v1/server/reverse\_set\_ipv4**

Set a reverse DNS entry for an IPv4 address of a virtual machine. Upon success, DNS changes may take 6-12 hours to become active.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reverse_set_ipv4 --data 'SUBID=576965' --data 'ip=192.0.2.1' --data 'entry=example.vultr.com'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
ip string IPv4 address used in the reverse DNS update. These can be found with the v1/server/list\_ipv4 call.  
entry string reverse DNS entry.

**/v1/server/reverse\_set\_ipv6**

Set a reverse DNS entry for an IPv6 address of a virtual machine. Upon success, DNS changes may take 6-12 hours to become active.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/reverse_set_ipv6 --data 'SUBID=576965' --data 'ip=2001:db8:1234::' --data 'entry=example.vultr.com'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
ip string IPv6 address used in the reverse DNS update. These can be found with the v1/server/list\_ipv6 or v1/server/reverse\_list\_ipv6 calls.  
entry string reverse DNS entry.

## /v1/server/set\_user\_data

Sets the user-data for this subscription. User-data is a generic data store, which some provisioning tools and cloud operating systems use as a configuration file. It is generally consumed only once after an instance has been launched, but individual needs may vary.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/set_user_data --data 'SUBID=12345' --data 'userdata=ZWNobyBIZWxsbyBxb3JsZA=='
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
userdata string Base64 encoded user-data

## /v1/server/start

Start a virtual machine. If the machine is already running, it will be restarted.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/start --data 'SUBID=576965'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## /v1/server/tag\_set

Set the tag of a virtual machine.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/tag_set --data 'SUBID=576965' --data 'tag=Mail'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
tag string The tag to assign to this server. This tag is shown in the control panel.

## /v1/server/upgrade\_plan

Upgrade the plan of a virtual machine. The virtual machine will be rebooted upon a successful upgrade.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

upgrade

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/upgrade_plan --data 'SUBID=576965' --data 'VPSPLANID=29'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.  
VPSPLANID integer The new plan. See /v1/server/upgrade\_plan\_list.

## /v1/server/upgrade\_plan\_list

Retrieve a list of the VPSPLANIDs for which a virtual machine can be upgraded. An empty response array means that there are currently no upgrades available.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

upgrade

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/server/upgrade_plan_list?SUBID=576965
```

**Example Response:**

```
[  
  29,  
  41,  
  61  
]
```

**Parameters:**

SUBID integer Unique identifier for this subscription. These can be found using the v1/server/list call.

## Snapshot

### /v1/snapshot/create

Create a snapshot from an existing virtual machine. The virtual machine does not need to be stopped.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/snapshot/create --data 'SUBID=1312965'
```

**Example Response:**

```
{  
  "SNAPSHOTID": "544e52f31c706"  
}
```

**Parameters:**

SUBID integer Identifier of the virtual machine to create a snapshot from. See v1/server/list  
description string (optional) Description of snapshot contents

### /v1/snapshot/create\_from\_url

Create a new snapshot on the current account. The snapshot will be downloaded from a given URL. Download status can be checked with the v1/snapshot/list call.

Limits for your account are listed in the members area.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/snapshot/create_from_url --data  
'url=http://example.com/path/to/disk_image.raw'
```

**Example Response:**

```
{  
  "SNAPSHOTID": "544e52f31c706"  
}
```

**Parameters:**



url string Remote URL from where the snapshot will be downloaded.

## /v1/snapshot/destroy

Destroy (delete) a snapshot. There is no going back from this call.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/snapshot/destroy --data 'SNAPSHOTID=5359435d28b9a'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SNAPSHOTID string Unique identifier for this snapshot. These can be found using the v1/snapshot/list call.

## /v1/snapshot/list

List all snapshots on the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/snapshot/list
```

**Example Response:**

```
{
  "5359435d28b9a": {
    "SNAPSHOTID": "5359435d28b9a",
    "date_created": "2014-04-18 12:40:40",
    "description": "Test snapshot",
    "size": "42949672960",
    "status": "complete",
    "OSID": "127",
    "APPID": "0"
  },
  "5359435dc1df3": {
    "SNAPSHOTID": "5359435dc1df3",
    "date_created": "2014-04-22 16:11:46",
    "description": ""
  }
}
```

```
"size": "10000000",
"status": "complete",
"OSID": "127",
"APPID": "0"
}
}
```

**Parameters:**

SNAPSHOTID string (optional) Filter result set to only contain this snapshot.

## SSH Key

### /v1/sshkey/create

Create a new SSH Key.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/sshkey/create --data 'name=test SSH KEY' --data 'ssh_key=ssh-rsa AA... test@example.com'
```

**Example Response:**

```
{
  "SSHKEYID": "541b4960f23bd"
}
```

**Parameters:**

name string Name of the SSH key  
ssh\_key string SSH public key (in authorized\_keys format)

### /v1/sshkey/destroy

Remove a SSH key. Note that this will not remove the key from any machines that already have it.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/sshkey/destroy --data 'SSHKEYID=541b4960f23bd'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SSHKEYID string Unique identifier for this SSH key. These can be found using the v1/sshkey/list call.

**/v1/sshkey/list**

List all the SSH keys on the current account.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/sshkey/list
```

**Example Response:**

```
{
  "541b4960f23bd": {
    "SSHKEYID": "541b4960f23bd",
    "date_created": null,
    "name": "test",
    "ssh_key": "ssh-rsa AA... test@example.com"
  }
}
```

**Parameters:**

No parameters

**/v1/sshkey/update**

Update an existing SSH Key. Note that this will only update newly installed machines. The key will not be updated on any existing machines.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/sshkey/update --data 'SSHKEYID=541b4960f23bd' --data 'name=new key name' --data 'ssh_key=ssh-rsa AA... someother@example.com'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SSHKEYID string SSHKEYID of key to update (see /v1/sshkey/list)  
name string (optional) New name for the SSH key

ssh\_key string (optional) New SSH key contents

## Startup Script

### /v1/startupscript/create

Create a startup script.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/startupscript/create --data 'name=my first script' --data '$script=#!/bin/bash\nnecho hello world > /root/hello'
```

**Example Response:**

```
{  
  "SCRIPTID": 5  
}
```

**Parameters:**

name string Name of the newly created startup script.  
script string Startup script contents.  
type string boot|pxe (optional) Type of startup script. Default is 'boot'.

### /v1/startupscript/destroy

Remove a startup script.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/startupscript/destroy --data 'SCRIPTID=5'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

SCRIPTID string Unique identifier for this startup script. These can be found using the v1/startupscript/list call.

### /v1/startupscript/list

List all startup scripts on the current account. Scripts of type "boot" are executed by the server's operating

system on the first boot. Scripts of type "pxe" are executed by iPXE when the server itself starts up.

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/startupscript/list
```

**Example Response:**

```
{
  "3": {
    "SCRIPTID": "3",
    "date_created": "2014-05-21 15:27:18",
    "date_modified": "2014-05-21 15:27:18",
    "name": "test ",
    "type": "boot",
    "script": "#!\Vbin\vbash echo Hello World > Vroot\hello"
  },
  "5": {
    "SCRIPTID": "5",
    "date_created": "2014-08-22 15:27:18",
    "date_modified": "2014-09-22 15:27:18",
    "name": "test ",
    "type": "pxe",
    "script": "#!ipxe\necho Hello World\nshell"
  }
}
```

**Parameters:**

```
No parameters
```

## /v1/startupscript/update

Update an existing startup script.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

subscriptions

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/startupscript/update --data 'SCRIPTID=5' --data 'name=my first script' --data 'script=#!/bin/bash\necho hello world > /root/hello'
```

**Example Response:**

```
No response, check HTTP result code.
```

**Parameters:**

SCRIPTID integer SCRIPTID of script to update (see /v1/startupscript/list).  
name string (optional) New name for the startup script.  
script string (optional) New startup script contents.

## User Management

### /v1/user/create

Create a new user.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

manage\_users

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/user/create --data 'email=new@vultr.com' --data 'name=test user' --data 'password=badpassword' --data 'acls[]=manage_users' --data 'acls[]=subscriptions'
```

**Example Response:**

```
{  
  "USERID": "564a1a88947b4",  
  "api_key": "AAAAAAA"  
}
```

**Parameters:**

email string Email address for this user  
name string Name for this user  
password Password for this user  
api\_enabled string (optional) 'yes' or 'no'. If yes, this user's API key will work on api.vultr.com. Default is yes  
acls array List of ACLs that this user should have. See /v1/user/list for information on possible ACLs

### /v1/user/delete

Delete a user.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

manage\_users

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/user/delete --data 'USERID=564a1a88947b4'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

USERID int ID of the user to delete

**/v1/user/list**

Retrieve a list of any users associated with this account.

ACLs will contain one or more of the following flags:

manage\_users - Create, update, and delete other users. This will basically grant them all other permissions  
subscriptions - Destroy and update any existing subscriptions (also supporting things, such as ISOs and SSH keys)

provisioning - Deploy new instances. Note this ACL requires the subscriptions ACL

billing - Manage and view billing information (invoices, payment methods)

support - Create and update support tickets. Users with this flag will be CC'd on any support interactions

abuse - If enabled on any user, only users with this flag enabled will receive abuse notifications (requires support flag)

dns - Create, update, and delete any forward DNS records (reverse is controlled by the subscriptions flag)

upgrade - If enabled, this user will be allowed to upgrade an instance's plan, or add paid features (such as DDOS protection or backups)

**API Key Required:**

Yes

**Request Type:**

GET

**Required Access:**

manage\_users

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/user/list
```

**Example Response:**

```
[
  {
    "USERID": "564a1a7794d83",
    "name": "example user 1",
    "email": "example@vultr.com",
    "api_enabled": "yes",
    "acls": [
      "manage_users",
      "subscriptions",
      "billing",
      "provisioning"
    ]
  },
  {
    "USERID": "564a1a88947b4",
    "name": "example user 2",
    "email": "example@vultr.com",
    "api_enabled": "no",
    "acls": [
```

```
    "support",  
    "dns"  
  ]  
}  
]
```

**Parameters:**

No parameters

## **/v1/user/update**

Update the details for a user.

**API Key Required:**

Yes

**Request Type:**

POST

**Required Access:**

manage\_users

**Example Request:**

```
curl -H 'API-Key: YOURKEY' https://api.vultr.com/v1/user/update --data 'USERID=564a1a88947b4' --data  
'email=new@vultr.com' --data 'password=badpassword' --data 'acls[]=manage_users' --data  
'acls[]=subscriptions'
```

**Example Response:**

No response, check HTTP result code.

**Parameters:**

USERID string ID of the user to update  
email string (optional) New email address for this user  
name string (optional) New name for this user  
password string (optional) New password for this user  
api\_enabled string (optional) 'yes' or 'no'. If yes, this user's API key will work on api.vultr.com  
acls array (optional) List of ACLs that this user should have. See /v1/user/list for information on possible ACLs