



Vultr API Reference - Version 1.0

2017-10-17

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 2/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.

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.

Block Storage

/v1/block/attach

Attach a block storage subscription to a VPS subscription. 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

/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:

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

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.

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
```

/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
  kRrxANp7YTGqVbaWtMy8hhsK0jcG4ajjCZKMb4fKv79VxVRSn76vNjzIT7VUo0BXil01Fk8RRQc4nWZctGJBA
  ==",
  "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:

```
{  
  "FIREWALLGROUPID": "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  
'FIREWALLGROUPID=1234abcd'
```

Example Response:

No response, check HTTP result code.

Parameters:

FIREWALLGROUPID 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": {
    "FIREWALLGROUPID": "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:

FIREWALLGROUPID 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 'FIREWALLGROUPID=1234abcd' --data 'description=group2'
```

Example Response:

No response, check HTTP result code.

Parameters:

FIREWALLGROUPID 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'
```

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.

/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?FIREWALLGROUPIP=1234abcd&direction=in&ip_type=v4'
```

Example Response:

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

Parameters:

FIREWALLGROUPIP 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/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

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.

The sandbox (\$2.50) plan is 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_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 sandbox (\$2.50) plan is 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_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.

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=2001:db8:8000::/64' --data 'attach_SUBID=5342543'
```

Example Response:

No response, check HTTP result code.

Parameters:

ip_address string Reserved IP to attach to your account (use the full subnet here)
attach_SUBID integer Unique identifier of the server to attach the reserved IP to

/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.

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=2001:db8:8000::/64' --data 'detach_SUBID=5342543'
```

Example Response:

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

Parameters:

```
ip_address string Reserved IP to attach to your account (use the full subnet here)
detach_SUBID integer Unique identifier of the server to detach the reserved IP from
```

/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.

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
VPSPLANID 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_network": "2001:DB8:1000::",
    "v6_main_ip": "2001:DB8:1000::100",
    "v6_network_size": "64",
    "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:

No parameters

/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.

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/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/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"
  },
  "5359435dc1df3": {
    "SNAPSHOTID": "5359435dc1df3",
    "date_created": "2014-04-22 16:11:46",
    "description": "",
    "size": "10000000",
    "status": "complete"
  }
}
```

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 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": "#!/bin/bash echo Hello World > /root/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