

Get List of Virtual Machines

API Essentials

API Key Generation

Autoscaling

- Add Autoscaling Rules
- Get List of Autoscaling Rules for VS
- Remove Autoscaling Rules

Backups

- Add/Edit Note
- Convert Backup to Template
- Create Backup
- Delete Backup
- Get List of All VS Backups
- Get List of Incremental Backups
- Get List of Normal Backups
- Restore Disk from Backup

Credit

- Get Credit

DNS

- Add DNS Record
- Add DNS Zone
- Delete DNS Record
- Delete DNS Zone
- Edit DNS Record
- Get DNS Zones
- Get List of DNS Zone Records
- Get List of Name Servers

Firewall Rules

- Add Firewall Rule
- Get Firewall Rules
- Update Firewall Rules

Flex Cloud VM Control

Getting Started with Superb Flex Cloud

IP Addresses

- Get IP Address Joins

Logs

- Get List of Log Items
- Get List of Transactions
- Get list of VS Transaction

Network Interfaces

GET /virtual_machines

Get a list of your virtual servers

Sections:

- Response Parameters
- JSON Request example
- JSON Response
- XML Request example
- XML Response example

Response Parameters

add_to_marketplace — empty for VSs; used for edge servers only

admin_note — an optional note of the administrator

allowed_hot_migrate — true if the template, on which the VS is based, supports hot migration; otherwise false

allowed_swap — true if swap disk is allowed (depends on the template the VS is based on); otherwise false

booted — true if the VS is running, otherwise false

built — true if the VS is built, otherwise false

cpu_shares — CPU priority in percent's

cpu_sockets - the amount of CPU sockets per core. This parameter can be set for KVM hypervisors only by those users who have Enable CPU topology permission granted

cpu_threads - the amount of CPU threads per core. This parameter can be set for KVM hypervisors only by those users who have Enable CPU topology permission granted

cpu_units - the amount of CPU units per core if the CPU priority is replaced with CPU units in user billing plan.

cpus — the number of allocated CPU cores

created_at — the date in the [YYYY][MM][DD]T[hh][mm][ss]Z format

customer_network_id - ID of a customer network

deleted_at - time when the VS was deleted

edge_server_type - true if this is the edge server

enable_autoscale — true if autoscaling is allowed for this VS

enable_monitis - deprecated attribute; will be removed in upcoming release

firewall_notrack - true if the NOTRACK rule is set in iptables

hostname — the name of your host

hypervisor_id — the ID of the hypervisor used by this VS

id — the VS ID

identifier — the VS identifier

initial_root_password — the VS root password

initial_root_password_encrypted - true, if the root password is encrypted, otherwise false.

label — the VS label

local_remote_access_ip_address - IP address used for remote access

- Get VS Network Interfaces
- Rebuild VS Network

Recipes

- Add Recipe
- Add Recipe Step
- Assign Recipe to Virtual Server
- Delete Recipe
- Delete Recipe Step
- Edit Recipe
- Edit Recipe Step
- Get All Recipes
- Get Recipe Steps
- Get Virtual Server Recipes
- Remove recipe from Virtual Server
- Run Recipe on Multiple Virtual Servers
- Swap Recipe Step Number

SSH Keys

- Add SSH Key
- Delete SSH Key
- Edit SSH Key
- Get SSH Keys
- Set SSH Keys on VS

Templates

- Get Templates

Test Route

Troubleshooting API Issues

Viewing Activity Logs

Virtual Server Operating Systems

Virtual Servers

- Add Virtual Server
- Billing Statistics
- Build Virtual Server
- Delete Virtual Server
- Edit Virtual Server
- Get CPU Usage Statistics
- Get List of Virtual Machines
 - Get specific VM Details
 - Search Virtual Servers by label
- Get statuses for All VMs
 - Get Specific VS Status
- Reboot Virtual Server
- Reset VS Password
- Shutdown Virtual Server
- Startup a Virtual Server
- Stop Virtual Server

local_remote_access_port — the port ID used for console access

locked — true if the VS is locked; otherwise false

memory — the RAM size allocated to this VS

min_disk_size — the minimum disk size required to build a VS from a specified template

note — an optional reminder for this VS made by a user account

operating_system — operating system used by the VS

operating_system_distro — the distribution of the OS from which this VS is built

preferred_hvs - the array of preferable hypervisors based on HV zone that meet some VS configuration settings

recovery_mode — true if recovery mode allowed. Otherwise false

remote_access_password — the password for the remote access

service_password - service account password

state — parameter reserved for future use

storage_server_type - true if this is a storage server

strict_virtual_machine_id — the ID of a virtual server that will never reside on the same hypervisor with this VS

suspended — true if VS is suspended, otherwise false

template_id — the ID of the template the VS is based on

template_label — the name of the template from which this VS is built

updated_at — the date when the VS was updated in the [YYYY][MM][DD]T[hh][mm][ss]Z format

user_id — the ID of a user assigned to this VS

vip — true if the VS has VIP status (gives migration priority)

xen_id — the VS ID set by the virtualization engine

ip_addresses - an array of IP addresses assigned to this VS and their details:

address - IP address

broadcast - broadcast address

created_at - the date in the [YYYY][MM][DD]T[hh][mm][ss]Z format

customer_network_id - the ID of the customer VLAN the IP address belongs to

disallowed_primary - true if not allowed to be used as primary, otherwise false

gateway - gateway address

hypervisor_id - the ID of a hypervisor the IP address is associated with

id - the ID of the IP address

ip_address_pool_id - ID of the IP address pool the IP address is associated with

network_address - the address of the network

network_id - the ID of the network

pxe - true, if this address can be used for cloudbooting a hypervisor

updated_at - the date in the [YYYY][MM][DD]T[hh][mm][ss]Z format

user_id - the ID of the user this IP address is assigned to

free - true if free, otherwise false

netmask - netmask for the IP address

monthly_bandwidth_used - VS monthly bandwidth in KB

total_disk_size — the total disk size in GB of all disks assigned to VS

VS Disks

- Add New Disk
- Delete Disk
- Edit Disk
- Get VS Disks

price_per_hour - server's price per hour

price_per_hour_powered_off - price per hour when server is powered off

support_incremental_backups - 1, if virtual server supports incremental backups, and 0 if it does not

cpu_priority - this is a new parameter reserved for further use; currently will have the same value as *cpu_shares*

JSON Request example

```
curl -i -X GET -H 'Accept: application/json'
-H 'Content-type: application/json' -u
user:password --url <api_url>/virtual_machines
```

JSON Response

```
[
  {
    "virtual_machine": {
      "add_to_marketplace": null,
      "admin_note": null,
      "allowed_hot_migrate": true,
      "allowed_swap": true,
      "booted": false,
      "built": true,
      "cores_per_socket": 0,
      "cpu_shares": 1,
      "cpu_sockets": null,
      "cpu_threads": null,
      "cpu_units": 10,
      "cpus": 1,
      "created_at":
"2015-08-11T01:52:43+00:00",
      "customer_network_id": null,
      "deleted_at": null,
      "edge_server_type": null,
      "enable_autoscale": null,
      "enable_monitis": null,
      "firewall_notrack": false,
      "hostname": "zaza",
      "hypervisor_id": 1,
      "id": 123,
      "identifier": "i9sd8x7fuofl70",
      "initial_root_password":
"password",
      "initial_root_password_encrypted":
false,
      "iso_id": null,
      "label": "tes_label",
      "local_remote_access_ip_address":
```

```
"192.168.0.1",
    "local_remote_access_port": null,
    "locked": false,
    "memory": 528,
    "min_disk_size": 5,
    "note": null,
    "operating_system": "linux",
    "operating_system_distro": "rhel",
    "preferred_hvs": [
        5,
        3,
        8,
        12,
        11,
        4,
        7,
        10,
        6,
        9
    ],
    "recovery_mode": false,
    "remote_access_password":
"password",
    "service_password": null,
    "state": "delivered",
    "storage_server_type": null,
    "strict_virtual_machine_id": null,
    "suspended": false,
    "template_id": 128,
    "template_label": "CentOS 7.1 x64",
    "updated_at":
"2015-08-24T20:04:26+00:00",
    "user_id": 337,
    "vip": null,
    "xen_id": null,
    "ip_addresses": [
        {
            "ip_address": {
                "address":
"192.168.0.1",
                "broadcast":
"192.168.0.1",
                "created_at":
"2015-07-30T01:35:54+00:00",
                "customer_network_id":
null,
                "disallowed_primary":
false,
                "gateway":
"192.168.0.1",
                "hypervisor_id": null,
                "id": 1234,
                "ip_address_pool_id":
```

```
    null,
    "network_address":
    "192.168.0.1",
    "network_id": 1,
    "pxe": false,
    "updated_at":
    "2015-08-11T01:52:43+00:00",
    "user_id": null,
    "free": false,
    "netmask":
    "255.255.252.0"
  }
},
"monthly_bandwidth_used": 421211,
"total_disk_size": 9,
"price_per_hour": 0.01038949,
"price_per_hour_powered_off":
0.00236113,
"support_incremental_backups":
true,
"cpu_priority": 1
```

```
}  
}  
]
```

XML Request example

```
curl -i -X GET -H 'Accept: application/json' -H  
'Content-type: application/json' -u  
user:userpass --url <api_url>/virtual_machines
```

XML Response example

```
<?xml version="1.0" encoding="UTF-8"?>  
<virtual_machines>  
<virtual_machine>  
<add_to_marketplace  
nil="true"></add_to_marketplace>  
<admin_note nil="true"></admin_note>  
<allowed_hot_migrate  
type="boolean">true</allowed_hot_migrate>  
<allowed_swap  
type="boolean">true</allowed_swap>  
<booted type="boolean">true</booted>  
<built type="boolean">true</built>  
<cpu_shares type="integer">1</cpu_shares>  
<cpu_sockets nil="true"/>  
<cpu_threads nil="true"/>  
<cpu_units type="integer">200</cpu_units>  
<cpus type="integer">1</cpus>  
<created_at  
type="datetime">2011-11-01T17:11:58+03:00</crea  
ted_at>  
<customer_network_id nil="true"/>  
<deleted_at nil="true"/>  
<edge_server_type nil="true"/>  
<enable_autoscale  
type="boolean">true</enable_autoscale>  
<enable_monitis  
type="boolean">true</enable_monitis>  
<firewall_notrack  
type="boolean">false</firewall_notrack>  
<hostname>autobackup</hostname>  
<hypervisor_id type="integer">2</hypervisor_id>  
<id type="integer">000</id>  
<identifier>iskngs9dve0hdg</identifier>  
<initial_root_password>791791</initial_root_pas  
sword>  
<initial_root_password_encrypted
```

```
type="boolean">>false</initial_root_password_encrypted>
<label>YR_autobackup</label>
<local_remote_access_ip_address>000.000.00.00</local_remote_access_ip_address>
<local_remote_access_port
type="integer">0000</local_remote_access_port>
<locked type="boolean">>false</locked>
<memory type="integer">1632</memory>
<min_disk_size type="integer">5</min_disk_size>
<note nil="true"></note>
<operating_system>linux</operating_system>
<operating_system_distro>rhel</operating_system_distro>
<preferred_hvs type="array"/>
<recovery_mode
type="boolean">>false</recovery_mode>
<remote_access_password>os3ajolblbuj</remote_access_password>
<service_password nil="true"/>
<state>new</state>
<storage_server_type nil="true"/>
<strict_virtual_machine_id
nil="true"></strict_virtual_machine_id>
<suspended type="boolean">>false</suspended>
<template_id type="integer">8</template_id>
<template_label>CentOS 5.6 x86</template_label>
<updated_at
type="datetime">2015-03-04T12:06:21+02:00</updated_at>
<user_id type="integer">5</user_id>
<vip nil="true"></vip>
<xen_id type="integer">12</xen_id>
<ip_addresses type="array">
<ip_address>
<address>000.000.000.000</address>
<broadcast>000.000.000.000</broadcast>
<created_at
type="datetime">2011-10-10T12:31:12+03:00</created_at>
<customer_network_id nil="true"/>
<disallowed_primary
type="boolean">>false</disallowed_primary>
<gateway>000.000.000.000</gateway>
<hypervisor_id nil="true"/>
<id type="integer">2</id>
<ip_address_pool_id nil="true"/>
<network_address>000.000.000.000</network_addresses>
<network_id type="integer">1</network_id>
<pxe type="boolean">>false</pxe>
<updated_at
type="datetime">2011-11-01T17:39:13+03:00</update
```

```
ted_at>
<user_id nil="true"/>
<free type="boolean">false</free>
<netmask>000.000.000.000</netmask>
</ip_address>
</ip_addresses>
<monthly_bandwidth_used>0</monthly_bandwidth_us
ed>
<total_disk_size
type="integer">6</total_disk_size>
<price_per_hour
type="float">0.0</price_per_hour>
<price_per_hour_powered_off
type="float">0.0</price_per_hour_powered_off>
<support_incremental_backups
type="boolean">false</support_incremental_backu
ps>
<cpu_priority type="integer">1</cpu_priority>
</virtual_machine>
...
```



```
<virtual_machine></virtual_machine>  
...  
</virtual_machine>
```