

# Get specific VM Details

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## GET /virtual\_machines/:id

*Get the details of a specific VM*

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### 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

- Get VS Network Interfaces
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  - Get specific VM Details
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- 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\_ip\_address* - IP address used for remote access

*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

## VS Disks

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

*total\_disk\_size* — the total disk size in GB of all disks assigned to VS

*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:userpass --url
<api_url>/virtual_machines/:id.json
```

## 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": "p9sd8x7fuofl70",
    "initial_root_password": "password",
    "initial_root_password_encrypted":
false,
    "iso_id": null,
    "label": "tes_label",
    "local_remote_access_ip_address":
```

```
"172.16.1.35",
  "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": "imggzf",
  "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/:id.xml
```

### XML Response example

```
??<?xml version="1.0" encoding="UTF-8"?>
<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>
```