

I uploaded a cirros image onto glance, as follows:

```
[root@overcloud-controller-0 nova]# curl -o /tmp/cirros.qcow2
http://download.cirros-cloud.net/0.3.4/cirros-0.3.4-x86_64-disk.img
[root@overcloud-controller-0 nova]# openstack image create "cirros-0.3.4-x86_64" --file
/tmp/cirros.qcow2 --disk-format qcow2 --container-format bare --public
```

Later when I used that image to boot a cirros instance as follows, it failed.

```
[root@overcloud-controller-0 nova]# nova boot --flavor m1.tiny --image cirros --key-name stack
--security-groups default --nic net-name=test test
```

```
[stack@undercloud ~]$ nova list
```

ID	Name	Status	Task State	Power State	Networks
5aa64f46-ef24-4f0b-ab03-5a02851a48ad	test	ERROR	-	NOSTATE	
90b0f518-406f-4002-aeb3-f7d47d78c6a9	test	ERROR	-	NOSTATE	

```
[root@overcloud-controller-0 nova]# tail -f nova-conductor.log
```

```
File "/usr/lib/python2.7/site-packages/nova/scheduler/manager.py", line 104, in
select_destinations
    dests = self.driver.select_destinations(ctxt, spec_obj)
```

```
File "/usr/lib/python2.7/site-packages/nova/scheduler/filter_scheduler.py", line 74, in
select_destinations
    raise exception.NoValidHost(reason=reason)
```

NoValidHost: No valid host was found. There are not enough hosts available.

```
2017-07-27 21:31:18.363 81512 WARNING nova.scheduler.utils
[req-7b3f9b64-b3ac-4c8f-89fb-b4a8219c1686 fb9e73b9971b4315a560dc71dfb8a8e0
9a2e39b5a462405dbc822810ac49d14c - - -] [instance:
5aa64f46-ef24-4f0b-ab03-5a02851a48ad] Setting instance to ERROR state.
```

```
nova-conductor.log:2017-07-28 01:03:41.842 354516 ERROR nova.scheduler.utils
[req-988acc59-8bd2-4bc6-a598-3f3e8d4c3f21 fb9e73b9971b4315a560dc71dfb8a8e0
9a2e39b5a462405dbc822810ac49d14c - - -] [instance:
551d608d-ab70-4295-a177-c210c909f147] Error from last host:
```

```
overcloud-compute-0.localdomain (node overcloud-compute-0.localdomain): [u'Traceback (most recent call last):\n', u' File "/usr/lib/python2.7/site-packages/nova/compute/manager.py", line 1783, in _do_build_and_run_instance\n    filter_properties)\n', u' File "/usr/lib/python2.7/site-packages/nova/compute/manager.py", line 1981, in _build_and_run_instance\n    instance_uuid=instance.uuid, reason=six.text_type(e))\n', u'RescheduledException: Build of instance 551d608d-ab70-4295-a177-c210c909f147 was re-scheduled: [Errno 32] Corrupt image download. Checksum was d41d8cd98f00b204e9800998ecf8427e expected ee1eca47dc88f4879d8a229cc70a07c6\n']
```

```
[heat-admin@overcloud-controller-0 ~]$ nova flavor-list
```

ID	Name	Memory_MB	Disk	Ephemeral	Swap	VCPUs	RXTX_Factor	Is_Public
c6c532a1-9c73-4047-8fd4-774a998a49c8	m1.tiny	512		1	0		1.0	True

```
[stack@undercloud ~]$ nova hypervisor-list
```

ID	Hypervisor hostname	State	Status
1	overcloud-compute-0.localdomain	up	enabled
2	overcloud-compute-1.localdomain	up	enabled

```
[stack@undercloud ~]$ nova hypervisor-show overcloud-compute-0.localdomain
```

Property	Value
cpu_info_arch	x86_64
cpu_info_features	["pge", "clflush", "sep", "syscall", "tsc", "vmx", "cmov", "nx", "pat", "lm", "msr", "fpu", "fxsr", "sse4.1", "pae", "sse4.2", "pclmuldq", "mmx", "cx8"]

	"mce", "de", "mca", "pse", "pni",	
	"popcnt", "apic", "sse", "lahf_lm",	
	"aes", "sse2", "hypervisor", "ssse3",	
	"cx16", "pse36", "mtrr", "x2apic"]	
cpu_info_model	Westmere	
cpu_info_topology_cells	1	
cpu_info_topology_cores	1	
cpu_info_topology_sockets	2	
cpu_info_topology_threads	1	
cpu_info_vendor	Intel	
current_workload	0	
disk_available_least	16	
free_disk_gb	19	
free_ram_mb	4095	
host_ip	172.16.0.29	
hypervisor_hostname	overcloud-compute-0.localdomain	
hypervisor_type	QEMU	
hypervisor_version	2006000	
id	1	
local_gb	19	
local_gb_used	0	
memory_mb	6143	
memory_mb_used	2048	
running_vms	0	
service_disabled_reason	None	
service_host	overcloud-compute-0.localdomain	
service_id	11	
state	up	
status	enabled	
vcpus	2	
vcpus_used	0	

+-----+-----+

[stack@undercloud ~]\$

[stack@undercloud ~]\$ nova hypervisor-show overcloud-compute-1.localdomain

Property	Value	
cpu_info_arch	x86_64	
cpu_info_features	["pge", "clflush", "sep", "syscall",	
	"tsc", "vmx", "cmov", "nx", "pat", "lm",	
	"msr", "fpu", "fxsr", "sse4.1", "pae",	
	"sse4.2", "pclmuldq", "mmx", "cx8",	

	"mce", "de", "mca", "pse", "pni",	
	"popcnt", "apic", "sse", "lahf_lm",	
	"aes", "sse2", "hypervisor", "ssse3",	
	"cx16", "pse36", "mtrr", "x2apic"]	
cpu_info_model	Westmere	
cpu_info_topology_cells	1	
cpu_info_topology_cores	1	
cpu_info_topology_sockets	2	
cpu_info_topology_threads	1	
cpu_info_vendor	Intel	
current_workload	0	
disk_available_least	16	
free_disk_gb	19	
free_ram_mb	6095	
host_ip	172.16.0.26	
hypervisor_hostname	overcloud-compute-1.localdomain	
hypervisor_type	QEMU	
hypervisor_version	2006000	
id	2	
local_gb	19	
local_gb_used	0	
memory_mb	8143	
memory_mb_used	2048	
running_vms	0	
service_disabled_reason	None	
service_host	overcloud-compute-1.localdomain	
service_id	12	
state	up	
status	enabled	
vcpus	2	
vcpus_used	0	

+-----+-----+

[stack@undercloud ~]\$ nova service-list

Id	Binary	Host	Zone	Status	State	Updated_at
	Disabled Reason					

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6	nova-consoleauth	overcloud-controller-0.localdomain	internal	enabled	up
2017-07-27T22:35:10.000000 -					
7	nova-scheduler	overcloud-controller-0.localdomain	internal	enabled	up
2017-07-27T22:35:03.000000 -					
8	nova-conductor	overcloud-controller-0.localdomain	internal	enabled	up
2017-07-27T22:35:11.000000 -					
11	nova-compute	overcloud-compute-0.localdomain	nova	enabled	up
2017-07-27T22:35:07.000000 -					
12	nova-compute	overcloud-compute-1.localdomain	nova	enabled	up
2017-07-27T22:35:08.000000 -					

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[stack@undercloud ~]\$

[heat-admin@overcloud-controller-0 ~]\$ nova hypervisor-list

ID	Hypervisor hostname	State	Status
1	overcloud-compute-0.localdomain	up	enabled
2	overcloud-compute-1.localdomain	up	enabled

[heat-admin@overcloud-controller-0 ~]\$ nova hypervisor-show 1

Property	Value
cpu_info_arch	x86_64
cpu_info_features	["pge", "clflush", "sep", "syscall", "tsc", "vmx", "cmov", "nx", "pat", "lm", "msr", "fpu", "fxsr", "sse4.1", "pae", "sse4.2", "pclmuldq", "mmx", "cx8", "mce", "de", "mca", "pse", "pni", "popcnt", "apic", "sse", "lahf_lm", "aes", "sse2", "hypervisor", "ssse3", "cx16", "pse36", "mtrr", "x2apic"]
cpu_info_model	Westmere
cpu_info_topology_cells	1
cpu_info_topology_cores	1
cpu_info_topology_sockets	2

cpu_info_topology_threads	1	
cpu_info_vendor	Intel	
current_workload	0	
disk_available_least	16	
free_disk_gb	19	
free_ram_mb	4095	
host_ip	172.16.0.29	
hypervisor_hostname	overcloud-compute-0.localdomain	
hypervisor_type	QEMU	
hypervisor_version	2006000	
id	1	
local_gb	19	
local_gb_used	0	
memory_mb	6143	
memory_mb_used	2048	
running_vms	0	
service_disabled_reason	None	
service_host	overcloud-compute-0.localdomain	
service_id	11	
state	up	
status	enabled	
vcpus	2	
vcpus_used	0	

```
+-----+-----+-----+
```

```
[heat-admin@overcloud-controller-0 ~]$
```

```
[heat-admin@overcloud-controller-0 ~]$ nova boot --flavor m1.tiny --image
b5bad39e-4c1b-4d89-8864-0aba2c2be1b9 --security-groups default --nic net-name=test test
```

```
[heat-admin@overcloud-controller-0 ~]$ nova list
```

ID	Name	Status	Task State	Power State	Networks
16ba11dd-1b8c-4a1b-9c68-29398bc53499	test	ERROR	-	NOSTATE	

```
[heat-admin@overcloud-controller-0 ~]$
```

```
[heat-admin@overcloud-controller-0 ~]$ nova show test
```

Property	Value
OS-DCF:diskConfig	MANUAL
OS-EXT-AZ:availability_zone	
OS-EXT-SRV-ATTR:host	-
OS-EXT-SRV-ATTR:hostname	test
OS-EXT-SRV-ATTR:hypervisor_hostname	-
OS-EXT-SRV-ATTR:instance_name	instance-00000007
OS-EXT-SRV-ATTR:kernel_id	
OS-EXT-SRV-ATTR:launch_index	0
OS-EXT-SRV-ATTR:ramdisk_id	
OS-EXT-SRV-ATTR:reservation_id	r-mqrz2lu7
OS-EXT-SRV-ATTR:root_device_name	/dev/vda
OS-EXT-SRV-ATTR:user_data	-
OS-EXT-STS:power_state	0
OS-EXT-STS:task_state	-
OS-EXT-STS:vm_state	error
OS-SRV-USG:launched_at	-
OS-SRV-USG:terminated_at	-
accessIPv4	

```

| accessIPv6          |
|                    |
| config_drive        |
|                    |
| created             | 2017-07-27T23:21:09Z
|                    |
| description         | -
|                    |
| fault               | {"message": "No valid host was found. There are not enough
|                    | hosts available.", "code": 500, "details": " File
|                    | \"/usr/lib/python2.7/site-packages/nova/conductor/manager.py\", line 496, in build_instances |
|                    | context, request_spec, filter_properties)
|                    |
|                    | File \"/usr/lib/python2.7/site-packages/nova/conductor/manager.py\",
|                    | line 567, in _schedule_instances
|                    |
|                    |         hosts = self.scheduler_client.select_destinations(context,
|                    | spec_obj)
|                    |
|                    | File \"/usr/lib/python2.7/site-packages/nova/scheduler/utils.py\", line
|                    | 370, in wrapped
|                    |
|                    |         return func(*args, **kwargs)
|                    |
|                    | File
|                    | \"/usr/lib/python2.7/site-packages/nova/scheduler/client/__init__.py\", line 51, in
|                    | select_destinations
|                    |
|                    |         return self.queryclient.select_destinations(context, spec_obj)
|                    |
|                    | File
|                    | \"/usr/lib/python2.7/site-packages/nova/scheduler/client/__init__.py\", line 37, in __run_method
|                    |
|                    |         return getattr(self.instance, __name)(*args, **kwargs)
|                    |
|                    | File \"/usr/lib/python2.7/site-packages/nova/scheduler/client/query.py\",
|                    | line 32, in select_destinations
|                    |
|                    |         return self.scheduler_rpcapi.select_destinations(context,
|                    | spec_obj)
|                    |
|                    | File \"/usr/lib/python2.7/site-packages/nova/scheduler/rpcapi.py\", line
|                    | 126, in select_destinations
|                    |
|                    |         return cctxt.call(ctxt, 'select_destinations', **msg_args)
|                    |

```



```

| File \"/usr/lib/python2.7/site-packages/oslo_messaging/rpc/client.py\",
line 169, in call
|     retry=self.retry)
|
| File \"/usr/lib/python2.7/site-packages/oslo_messaging/transport.py\",
line 97, in _send
|     timeout=timeout, retry=retry)
|
| File
\"/usr/lib/python2.7/site-packages/oslo_messaging/_drivers/amqpdriver.py\", line 511, in send
|     retry=retry)
|
| File
\"/usr/lib/python2.7/site-packages/oslo_messaging/_drivers/amqpdriver.py\", line 502, in _send
|     raise result
|
|     \", \"created\": \"2017-07-27T23:25:22Z\"}
|
| flavor | m1.tiny (c6c532a1-9c73-4047-8fd4-774a998a49c8)
| hostId |
| host_status |
| id | 16ba11dd-1b8c-4a1b-9c68-29398bc53499
| image | cirros-0.3.4-x86_64 (b5bad39e-4c1b-4d89-8864-0aba2c2be1b9)
| key_name | -
| locked | False
| metadata | {}
| name | test
| os-extended-volumes:volumes_attached | []
| status | ERROR
|

```

tags	[]
tenant_id	9a2e39b5a462405dbc822810ac49d14c
updated	2017-07-27T23:25:24Z
user_id	fb9e73b9971b4315a560dc71dfb8a8e0

```
[root@overcloud-controller-0 ~]# openstack image save --file ./example-test.img
b5bad39e-4c1b-4d89-8864-0aba2c2be1b9
[Errno 32] Corrupt image download. Checksum was d41d8cd98f00b204e9800998ecf8427e
expected ee1eca47dc88f4879d8a229cc70a07c6
```

```
[root@overcloud-controller-0 ~]# ls -lrt
total 56
-rw-----. 1 root root 1883 Jun 15 17:38 original-ks.cfg
-rw-----. 1 root root 2620 Jun 15 17:38 anaconda-ks.cfg
-rw-r--r--. 1 root root 46996 Jul 27 23:53
lvmdump-overcloud-controller-0.localdomain-20170727235334.tgz
-rw-r--r--. 1 root root 0 Jul 28 01:44 example-test.img
[root@overcloud-controller-0 ~]# md5sum example-test.img
d41d8cd98f00b204e9800998ecf8427e example-test.img
```

Root caused my issue!!!
It comes from Swift

```
[root@overcloud-controller-0 ~]# openstack image save --file ./example-test.img
b5bad39e-4c1b-4d89-8864-0aba2c2be1b9
[Errno 32] Corrupt image download. Checksum was d41d8cd98f00b204e9800998ecf8427e
expected ee1eca47dc88f4879d8a229cc70a07c6
```

While doing “openstack image save” I checked the /var/log/messages on the Controller node, and saw the following message:

```
Jul 27 22:22:15 host-172-16-0-25 proxy-server: ERROR with Container server
172.17.4.11:6001/d1 re: Trying to GET
```

/v1/AUTH_a775d149d8804eba80259e4f94b80f2b/measure: ConnectionTimeout (0.5s) (txn: tx1139731fb7c64db39de92-00597a9fd6) (client_ip: 172.17.3.16)

This bug below talks about a similar issue, upgrade from OSP9 to OSP10 causes it. In my case the Failed Upgrade from 1 compute to 2 computes caused it.

https://bugzilla.redhat.com/show_bug.cgi?id=1391082

```
[stack@undercloud ~]$ sudo yum info openstack-tripleo-heat-templates
```

Loaded plugins: search-disabled-repos

Installed Packages

Name : openstack-tripleo-heat-templates

Arch : noarch

Version : 5.2.0

Release : 21.el7ost

Size : 1.4 M

Repo : installed

From repo : rhel-7-server-openstack-10-rpms

Summary : Heat templates for TripleO

URL : <https://wiki.openstack.org/wiki/TripleO>

License : ASL 2.0

Description : OpenStack TripleO Heat Templates is a collection of templates and tools for
: building Heat Templates to do deployments of OpenStack.