

**[CL-390] Openstack- Image Upload fails on files larger than 5GB** Created: 05/Dec/14 Updated: 02/Jan/15

<b>Status:</b>	Closed
<b>Project:</b>	Cloud Labs
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	Dec 2014

<b>Type:</b>	Support Request	<b>Priority:</b>	Critical
<b>Reporter:</b>	Paul Clifton	<b>Assignee:</b>	Paul Clifton
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	Not Specified		
<b>Environment:</b>	Openstack-Havana		

**Description**

Giovanni is unable to upload "large" image files into OpenStack environment.

oc-qa-stor-1:/var/log/glance/api.log shows errors:

```
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils File "/usr/lib/python2.6/site-packages/glance/api/v1/upload_utils.py", line 101, in
upload_data_to_store
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils store)
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils File "/usr/lib/python2.6/site-packages/glance/store/_init_.py", line 338, in
store_add_to_backend
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils (location, size, checksum, metadata) = store.add(image_id, data, size)
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils File "/usr/lib/python2.6/site-packages/glance/store/swift.py", line 447, in add
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils raise glance.store.BackendException(msg)
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils BackendException: Failed to add object to Swift.
2014-12-05 15:46:47.513 43377 TRACE glance.api.v1.upload_utils Got error from Swift: put_object('glance', '3f35d2f0-5d6e-4d14-8980-0f2cc6fd4184-
00007', ...) failure and no ability to reset contents for reupload.
```

**Comments**

Comment by Paul Clifton [ 19/Dec/14 ]

Added ports to /etc/sysconfig/iptables

- Swift

```
-A INPUT -p tcp -m tcp --dport 8080 -j ACCEPT
-A INPUT -p tcp -m tcp --dport 6000 -j ACCEPT
-A INPUT -p tcp -m tcp --dport 6001 -j ACCEPT
-A INPUT -p tcp -m tcp --dport 6002 -j ACCEPT
-A INPUT -p tcp -m tcp --dport 873 -j ACCEPT
-A INPUT -p tcp -m tcp --sport 873 -j ACCEPT
-A INPUT -p udp -m udp --dport 873 -j ACCEPT
-A INPUT -p udp -m udp --sport 873 -j ACCEPT
```

restarted swift and glance

killed hung swift processes on node1.

configured recon to work:

```
[root@oc-qa-stor-2 etc]# swift-recon -d -v
```

```
--> Starting reconnaissance on 3 hosts
```

```
[2014-12-19 14:10:37] Checking disk usage now
```

```
-> http://192.168.91.224:6000/recon/diskusage: [
```

```
{'device': 'sdc1', 'avail': 792629485568, 'mounted': True, 'used': 191743590400, 'size': 984373075968}
```

```
,
{'device': 'sdb1', 'avail': 777889869824, 'mounted': True, 'used': 206483206144, 'size': 984373075968}
,
{'device': 'sda1', 'avail': 774718083072, 'mounted': True, 'used': 209654992896, 'size': 984373075968}
,
{'device': 'sdd1', 'avail': 771961442304, 'mounted': True, 'used': 212411633664, 'size': 984373075968}
]
-> http://192.168.91.225:6000/recon/diskusage: [
{'device': 'sdb1', 'avail': 896350441472, 'mounted': True, 'used': 88022634496, 'size': 984373075968}
,
{'device': 'sda1', 'avail': 879647203328, 'mounted': True, 'used': 104725872640, 'size': 984373075968}
,
{'device': 'sdd1', 'avail': 887430840320, 'mounted': True, 'used': 96942235648, 'size': 984373075968}
,
{'device': 'sdc1', 'avail': 888117895168, 'mounted': True, 'used': 96255180800, 'size': 984373075968}
]
-> http://192.168.91.226:6000/recon/diskusage: [
{'device': 'sdd1', 'avail': 894948958208, 'mounted': True, 'used': 89424117760, 'size': 984373075968}
,
{'device': 'sdb1', 'avail': 884135714816, 'mounted': True, 'used': 100237361152, 'size': 984373075968}
,
{'device': 'sda1', 'avail': 897440141312, 'mounted': True, 'used': 86932934656, 'size': 984373075968}
,
{'device': 'sdc1', 'avail': 894426378240, 'mounted': True, 'used': 89946697728, 'size': 984373075968}
]
```

Distribution Graph:

```
8% 2 *****
9% 4 *****
10% 2 *****
19% 1 *****
20% 1 *****
21% 2 *****
```

Disk usage: space used: 1572780457984 of 11812476911616

Disk usage: space free: 10239696453632 of 11812476911616

Disk usage: lowest: 8.83%, highest: 21.58%, avg: 13.3145695839%

=====

problem is fixed.

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