

Ceph - Bug #48498

octopus: timeout when running the "ceph" command

12/08/2020 04:00 PM - Mathew Clarke

| | | | |
|------------------------|------------------|------------------------------|--------------|
| Status: | Fix Under Review | % Done: | 0% |
| Priority: | Normal | Spent time: | 0.00 hour |
| Assignee: | Kefu Chai | | |
| Category: | ceph cli | | |
| Target version: | v15.2.5 | | |
| Source: | | Affected Versions: | v15.2.5 |
| Tags: | | ceph-qa-suite: | ceph-ansible |
| Backport: | | Pull request ID: | 40476 |
| Regression: | No | Crash signature (v1): | |
| Severity: | 3 - minor | Crash signature (v2): | |
| Reviewed: | | | |

Description

Running "Ubuntu 20.04.1" with kernel "5.4.77-217"

I've installed octopus version 15.2.5 from distro armhf repo as "deb-src <https://download.ceph.com/debian-octopus/> focal main" fails with unmet dependencies (see issue: <https://tracker.ceph.com/issues/45915>)

when I run "ceph" from a bash prompt I get the error below.

Traceback (most recent call last):

```
File "/usr/bin/ceph", line 1278, in <module>
    retval = main()
File "/usr/bin/ceph", line 984, in main
    cluster_handle = run_in_thread(rados.Rados,
File "/usr/lib/python3/dist-packages/ceph_argparse.py", line 1339, in run_in_thread
    raise Exception("timed out")
```

Exception: timed out

Even when I run "ceph -h" I get the same error halfway through the help output. I'm new to ceph so any pointers on how I can troubleshoot this would be greatly appreciated.

Thanks

History

#1 - 12/09/2020 09:07 AM - Mathew Clarke

The ubuntu packages have just updated to 15.2.7 and I'm still getting the same issue

```
ceph -v
ceph version 15.2.7 (88e41c6c49beb18add4fdb6b4326ca466d931db8) octopus (stable)
```

```
ceph -s
Traceback (most recent call last):
  File "/usr/bin/ceph", line 1278, in <module>
    retval = main()
  File "/usr/bin/ceph", line 984, in main
    cluster_handle = run_in_thread(rados.Rados,
  File "/usr/lib/python3/dist-packages/ceph_argparse.py", line 1339, in run_in_thread
    raise Exception("timed out")
Exception: timed out
```

#2 - 12/22/2020 08:49 PM - Rocky Cardwell

Mathew Clarke wrote:

The ubuntu packages have just updated to 15.2.7 and I'm still getting the same issue

[...]

[...]

I managed to get ceph running on the odroid-hc2 after having this and other issues. To fix this, I edited /usr/lib/python3/dist-packages/ceph_argparse.py, line 1332, changing the 32 to 16. I suspect it's something to do with armhf being 32bit. Like this:

```
if timeout == 0 or timeout == None:
    # python threading module will just get blocked if timeout is `None`,
    # otherwise it will keep polling until timeout or thread stops.
    # wait for INT32_MAX, as python 3.6.8 use int32_t to present the
    # timeout in integer when converting it to nanoseconds
    timeout = (1 << (16 - 1)) - 1
t = RadosThread(func, *args, **kwargs)
```

The other issue I ran into was a segmentation fault when starting the manager daemon. I fixed that issue by adding UNW_ARM_UNWIND_METHOD=4 to /etc/default/ceph like:

```
# /etc/default/ceph
#
# Environment file for ceph daemon systemd unit files.
#
# Increase tcmalloc cache size
TCMALLOC_MAX_TOTAL_THREAD_CACHE_BYTES=134217728
UNW_ARM_UNWIND_METHOD=4
```

Hope that helps.

#3 - 12/23/2020 04:58 PM - Mathew Clarke

Thanks for responding.

I'm only running the OSD's on the Odroid HC2 but applied the "UNW_ARM_UNWIND_METHOD=4" anyway as the "TCMALLOC_MAX_TOTAL_THREAD_CACHE_BYTES=134217728" was already set.

I also patched the "timeout = (1 << (16 - 1)) - 1" line in "/usr/lib/python3/dist-packages/ceph_argparse.py".

It now longer errors as before but hangs for around 50 mins and then reports "[errno 110] RADOS timed out (error connecting to the cluster)" when running "ceph -s"

Is this something you've run in to?

#4 - 12/23/2020 06:21 PM - Rocky Cardwell

I did have some issues with ceph -s hanging. It always turned out that the monitor process wasn't running, or not enough were running for quorum. In my case, there were errors in /var/log/syslog saying that it couldn't access files in /var/lib/ceph. I ended up fixing those by just changing the files to be owned by the ceph user/group.

#5 - 01/06/2021 03:32 PM - Mathew Clarke

Sorry for the slow reply, just got around to checking this one. "ceph:ceph" was already set on "/var/lib/ceph" but ran "chown ceph:ceph -r /var/lib/ceph" anyway which didn't resolve the hanging issues.

The Syslog only shows the following errors to do with ceph

```
Dec 22 21:37:01 cn-svr-osd-01 ansible-ceph_volume: [WARNING] The value 5120 (type int) in a string field was converted to '5120' (type string). If this does not look like what you expect, quote the entire value to ensure it does not change.
Dec 22 21:37:01 cn-svr-osd-01 ansible-ceph_volume: [WARNING] The value -1 (type int) in a string field was converted to '-1' (type string). If this does not look like what you expect, quote the entire value to ensure it does not change.
Dec 22 21:37:01 cn-svr-osd-01 ansible-ceph_volume: [WARNING] The value False (type bool) in a string field was converted to 'False' (type string). If this does not look like what you expect, quote the entire value to ensure it does not change.
```

Thanks for your help with this one but I think I'm going to invest in so x86 hardware to continue this project.

#6 - 01/24/2021 03:15 PM - O W

Hi,

I'm also struggling to get CEPH 15.2.7 running using ceph-ansible on ubuntu hirsute on the Odroid HC2. Currently I only have two HC2s and mix it with vagrant VMs to have quorum mons. Your fixes helped a lot in getting futher but the mgr doesn't come up.

TASK [ceph-mgr : wait for all mgr to be up] *****

Sunday 24 January 2021 15:10:08 +0000 (0:00:00.026) 0:02:34.816 **

FAILED - RETRYING: wait for all mgr to be up (30 retries left).
FAILED - RETRYING: wait for all mgr to be up (29 retries left).
...
FAILED - RETRYING: wait for all mgr to be up (1 retries left).

fatal: [odroidxu4 > odroidxu4]: FAILED! => changed=false
attempts: 30

cmd:
- ceph
- cluster
- ceph
- mgr
- dump
- f
- json

delta: '0:00:00.758196'
end: '2021-01-24 16:13:22.642994'
re: 0
start: '2021-01-24 16:13:21.884798'
stderr: ''
stderr_lines: <omitted>
stdout: |2

{ "epoch": 1, "active_gid": 0, "active_name": "", "active_addrs": { "addrvec": [], "active_addr": "(unrecognized address family 0)/0", "active_change": "0.000000", "active_mgr_features": 0, "available": false, "standbys": [], "modules": ["io stat", "restful"], "available_modules": [], "services": {}, "always_on_modules": { "nautilus": ["balancer", "crash", "dev icehealth", "orchestrator_cli", "progress", "rbd_support", "status", "volumes"], "octopus": ["balancer", "crash", "devi cehealth", "orchestrator", "pg_autoscaler", "progress", "rbd_support", "status", "telemetry", "volumes"], "last_failur e_osd_epoch": 0, "active_clients": [] } }
stdout_lines: <omitted>

root@odroidxu4:~# dpkg -l ceph
Desired=Unknown/Install/Remove/Purge/Hold | Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend |/
Err?=(none)/Reinst-required (Status,Err: uppercase=bad) ||/ Name Version Architecture Description
+++-----
ii ceph 15.2.7-0ubuntu4 armhf distributed storage and file system

Any ideas?

Cheers,
Oliver

#7 - 03/29/2021 04:13 PM - Kefu Chai

I think this issue was fixed by <https://github.com/ceph/ceph/pull/38665>,
<https://github.com/ceph/ceph/pull/38665/commits/e59693fd96c34672c4c743514bd173fc70a3a544> to be specific.

I will backport it to octopus.

#8 - 03/29/2021 04:19 PM - Kefu Chai

- *Subject changed from timeout when running the "ceph" command to octopus: timeout when running the "ceph" command*
- *Status changed from New to Triaged*
- *Assignee set to Kefu Chai*
- *Pull request ID set to 40476*

#9 - 03/29/2021 04:19 PM - Kefu Chai

- *Status changed from Triaged to Fix Under Review*

#10 - 04/07/2021 03:36 PM - Yuri Weinstein

<https://github.com/ceph/ceph/pull/40476> merged