

bluestore - Bug #51163

N ceph-volume lvm batch to create bluestore osds

06/10/2021 06:31 AM - Zhike Li

Status:	Need More Info	% Done:	0%
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Source:		Affected Versions:	v14.2.6
Tags:		ceph-qa-suite:	ceph-ansible
Backport:		Pull request ID:	
Regression:	No	Crash signature (v1):	
Severity:	3 - minor	Crash signature (v2):	
Reviewed:			

Description

```
TASK [ceph-osd : use ceph-volume lvm batch to create bluestore osds] *****
*****
Tuesday 08 June 2021 13:45:31 +0800 (0:00:00.237) 0:07:55.990 *****
changed: [ceph-node4]
changed: [ceph-node3]
changed: [ceph-node2]
fatal: [ceph-node1]: FAILED! => changed=true
cmd:
- ceph-volume
- --cluster
- ceph
- lvm
- batch
- --bluestore
- --yes
- /dev/sda
- /dev/sdb
- /dev/sdc
- /dev/sdd
- /dev/sde
- /dev/sdf
- /dev/sdg
- /dev/sdh
- /dev/sdj
- /dev/sdk
- /dev/sdl
- /dev/sdm
- /dev/nvme0n1
- /dev/nvme1n1
- --db-devices
- /dev/nvme2n1
- --wal-devices2.21
- /dev/nvme3n1
delta: '0:00:46.020625'
end: '2021-06-08 13:46:18.011201'
msg: non-zero return code
rc: 1
start: '2021-06-08 13:45:31.990576'
stderr: |-
--> passed data devices: 14 physical, 0 LVM
--> relative data size: 1.0
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--> passed block_db devices: 1 physical, 0 LVM
--> passed block_wal devices: 1 physical, 0 LVM
Running command: /bin/ceph-authtool --gen-print-key
Running command: /bin/ceph --cluster ceph --name client.bootstrap-osd --keyring /var/lib/ceph/
bootstrap-osd/ceph.keyring -i - osd new 6d20d8c8-fdc2-41e0-98d7-b2777f5002f5
Running command: /sbin/vgcreate --force --yes ceph-9be9e493-5f79-4920-86c4-9b47cc2fe2d0 /dev/n
vme1n1
  stdout: Physical volume "/dev/nvme1n1" successfully created.
  stdout: Volume group "ceph-9be9e493-5f79-4920-86c4-9b47cc2fe2d0" successfully created
Running command: /sbin/lvcreate --yes -l 763089 -n osd-block-6d20d8c8-fdc2-41e0-98d7-b2777f500
2f5 ceph-9be9e493-5f79-4920-86c4-9b47cc2fe2d0
  stdout: Logical volume "osd-block-6d20d8c8-fdc2-41e0-98d7-b2777f5002f5" created.
Running command: /sbin/lvcreate --yes -l 54506 -n osd-wal-d02bd532-3e7d-44d3-89ef-cb721c19bde2
ceph-7634c4cc-08e9-4293-9be7-88591cedad07
  stdout: Logical volume "osd-wal-d02bd532-3e7d-44d3-89ef-cb721c19bde2" created.
Running command: /sbin/lvcreate --yes -l 54506 -n osd-db-eb170f6c-7e4c-4991-8e85-fbc30abac8d5
ceph-f5ecf715-07b9-4d07-8700-d60187ca1938
  stdout: Logical volume "osd-db-eb170f6c-7e4c-4991-8e85-fbc30abac8d5" created.
Running command: /bin/ceph-authtool --gen-print-key
Running command: /bin/mount -t tmpfs tmpfs /var/lib/ceph/osd/ceph-48
Running command: /sbin/restorecon /var/lib/ceph/osd/ceph-48
Running command: /bin/chown -h ceph:ceph /dev/ceph-9be9e493-5f79-4920-86c4-9b47cc2fe2d0/osd-bl
ock-6d20d8c8-fdc2-41e0-98d7-b2777f5002f5
Running command: /bin/chown -R ceph:ceph /dev/dm-18
Running command: /bin/ln -s /dev/ceph-9be9e493-5f79-4920-86c4-9b47cc2fe2d0/osd-block-6d20d8c8-
fdc2-41e0-98d7-b2777f5002f5 /var/lib/ceph/osd/ceph-48/block
Running command: /bin/ceph --cluster ceph --name client.bootstrap-osd --keyring /var/lib/ceph/
bootstrap-osd/ceph.keyring mon getmap -o /var/lib/ceph/osd/ceph-48/activate.monmap
  stderr: got monmap epoch 1
Running command: /bin/ceph-authtool /var/lib/ceph/osd/ceph-48/keyring --create-keyring --name
osd.48 --add-key AQAfBL9gxa3tLxAAg8Q3Xh/G3Gj7BnwK9C0/hg==
  stdout: creating /var/lib/ceph/osd/ceph-48/keyring
  stdout: added entity osd.48 auth(key=AQAfBL9gxa3tLxAAg8Q3Xh/G3Gj7BnwK9C0/hg==)
Running command: /bin/chown -R ceph:ceph /var/lib/ceph/osd/ceph-48/keyring
Running command: /bin/chown -R ceph:ceph /var/lib/ceph/osd/ceph-48/
Running command: /bin/chown -h ceph:ceph /dev/ceph-7634c4cc-08e9-4293-9be7-88591cedad07/osd-wa
l-d02bd532-3e7d-44d3-89ef-cb721c19bde2
Running command: /bin/chown -R ceph:ceph /dev/dm-19
Running command: /bin/chown -h ceph:ceph /dev/ceph-f5ecf715-07b9-4d07-8700-d60187ca1938/osd-db
-eb170f6c-7e4c-4991-8e85-fbc30abac8d5
Running command: /bin/chown -R ceph:ceph /dev/dm-20
Running command: /bin/ceph-osd --cluster ceph --osd-objectstore bluestore --mkfs -i 48 --monma
p /var/lib/ceph/osd/ceph-48/activate.monmap --keyfile - --bluestore-block-wal-path /dev/ceph-7634c
4cc-08e9-4293-9be7-88591cedad07/osd-wal-d02bd532-3e7d-44d3-89ef-cb721c19bde2 --bluestore-block-db-
path /dev/ceph-f5ecf715-07b9-4d07-8700-d60187ca1938/osd-db-eb170f6c-7e4c-4991-8e85-fbc30abac8d5 --
osd-data /var/lib/ceph/osd/ceph-48/ --osd-uuid 6d20d8c8-fdc2-41e0-98d7-b2777f5002f5 --setuser ceph
--setgroup ceph
  stderr: 2021-06-08 13:46:16.552 ffff9cce1550 -1 bluestore(/var/lib/ceph/osd/ceph-48/) _read_f
sid unparsable uuid
  stderr: /home/jenkins-build/build/workspace/ceph-build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILA
BLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src
/os/bluestore/BlueFS.cc: In function 'int64_t BlueFS::_read(BlueFS::FileReader*, BlueFS::FileReade
rBuffer*, uint64_t, size_t, ceph::bufferlist*, char*)' thread ffff9cce1550 time 2021-06-08 13:46:1
6.622989
  stderr: /home/jenkins-build/build/workspace/ceph-build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILA
BLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src
/os/bluestore/BlueFS.cc: 1849: FAILED ceph_assert(r == 0)
  stderr: ceph version 14.2.21 (5ef401921d7a88aea18ec7558f7f9374ebd8f5a6) nautilus (stable)
  stderr: 1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x15c) [0xaa
aade532c3c]
  stderr: 2: (ceph::__ceph_assertf_fail(char const*, char const*, int, char const*, char const*
, ...) +0) [0xaaaade532e08]
  stderr: 3: (BlueFS::_read(BlueFS::FileReader*, BlueFS::FileReaderBuffer*, unsigned long, unsi
gned long, ceph::buffer::v14_2_0::list*, char*)+0xfd4) [0xaaaadeaba734]
  stderr: 4: (BlueFS::_replay(bool, bool)+0x2b4) [0xaaaadeac9964]
  stderr: 5: (BlueFS::mount()+0x180) [0xaaaadead64a0]
  stderr: 6: (BlueStore::_open_bluefs(bool)+0x80) [0xaaaade9c8e08]

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stderr: 7: (BlueStore::_open_db(bool, bool, bool)+0x514) [0xaaaade9ca0cc]
stderr: 8: (BlueStore::mkfs()+0x4d4) [0xaaaadea260c4]
stderr: 9: (OSD::mkfs(CephContext*, ObjectStore*, uuid_d, int)+0xa4) [0xaaaade58b0ac]
stderr: 10: (main()+0x15a8) [0xaaaade537b70]
stderr: 11: (__libc_start_main()+0xf0) [0xffff9cfc15d4]
stderr: 12: (()+0x4cab9c) [0xaaaade56ab9c]
stderr: 2021-06-08 13:46:16.612 ffff9cce1550 -1 /home/jenkins-build/build/workspace/ceph-build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src/os/bluestore/BlueFS.cc: In function 'int64_t BlueFS::_read(BlueFS::FileReader*, BlueFS::FileReaderBuffer*, uint64_t, size_t, ceph::bufferlist*, char*)' thread ffff9cce1550 time 2021-06-08 13:46:16.622989
stderr: /home/jenkins-build/build/workspace/ceph-build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src/os/bluestore/BlueFS.cc: 1849: FAILED ceph_assert(r == 0)
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stderr: 11: (__libc_start_main()+0xf0) [0xffff9cfc15d4]
stderr: 12: (()+0x4cab9c) [0xaaaade56ab9c]
stderr: *** Caught signal (Aborted) **
stderr: in thread ffff9cce1550 thread_name:ceph-osd
stderr: ceph version 14.2.21 (5ef401921d7a88aea18ec7558f7f9374ebd8f5a6) nautilus (stable)
stderr: 1: [0xffff9de4066c]
stderr: 2: (gsignal()+0x4c) [0xffff9cfd50e8]
stderr: 3: (abort()+0x11c) [0xffff9cfd6760]
stderr: 4: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x1b0) [0xaaaade532c90]
stderr: 5: (ceph::__ceph_assertf_fail(char const*, char const*, int, char const*, char const*, ...) +0) [0xaaaade532e08]
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stderr: 15: (()+0x4cab9c) [0xaaaade56ab9c]
stderr: 2021-06-08 13:46:16.612 ffff9cce1550 -1 *** Caught signal (Aborted) **
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stderr: NOTE: a copy of the executable, or `objdump -rdS <executable>` is needed to interpret
this.
stderr: -73> 2021-06-08 13:46:16.552 ffff9ccea1550 -1 bluestore(/var/lib/ceph/osd/ceph-48/) _r
ead_fsid unparsable uuid
stderr: -1> 2021-06-08 13:46:16.612 ffff9ccea1550 -1 /home/jenkins-build/build/workspace/ceph-
build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/re
lease/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src/os/bluestore/BlueFS.cc: In function 'int64_t BlueFS::
_read(BlueFS::FileReader*, BlueFS::FileReaderBuffer*, uint64_t, size_t, ceph::bufferlist*, char*)'
thread ffff9ccea1550 time 2021-06-08 13:46:16.622989
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BLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src
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stderr: 0> 2021-06-08 13:46:16.612 ffff9ccea1550 -1 *** Caught signal (Aborted) **
stderr: in thread ffff9ccea1550 thread_name:ceph-osd
stderr: ceph version 14.2.21 (5ef401921d7a88aea18ec7558f7f9374ebd8f5a6) nautilus (stable)
stderr: 1: [0xffff9de4066c]
stderr: 2: (gsignal()+0x4c) [0xffff9cfd50e8]
stderr: 3: (abort()+0x11c) [0xffff9cfd6760]
stderr: 4: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x1b0) [0xaa
aade532c90]
stderr: 5: (ceph::__ceph_assertf_fail(char const*, char const*, int, char const*, char const*
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build/ARCH/arm64/AVAILABLE_ARCH/arm64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/re
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BLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.21/rpm/el7/BUILD/ceph-14.2.21/src
/os/bluestore/BlueFS.cc: 1849: FAILED ceph_assert(r == 0)
stderr: ceph version 14.2.21 (5ef401921d7a88aea18ec7558f7f9374ebd8f5a6) nautilus (stable)

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stderr: 1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x15c) [0xaa
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stderr: 0> 2021-06-08 13:46:16.612 ffff9cce1550 -1 *** Caught signal (Aborted) **
stderr: in thread ffff9cce1550 thread_name:ceph-osd
stderr: ceph version 14.2.21 (5ef401921d7a88aea18ec7558f7f9374ebd8f5a6) nautilus (stable)
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stderr: NOTE: a copy of the executable, or `objdump -rdS <executable>` is needed to interpret
this.
--> Was unable to complete a new OSD, will rollback changes
Running command: /bin/ceph --cluster ceph --name client.bootstrap-osd --keyring /var/lib/ceph/
bootstrap-osd/ceph.keyring osd purge-new osd.48 --yes-i-really-mean-it
stderr: purged osd.48
Traceback (most recent call last):
  File "/sbin/ceph-volume", line 9, in <module>
    load_entry_point('ceph-volume==1.0.0', 'console_scripts', 'ceph-volume')()
  File "/usr/lib/python2.7/site-packages/ceph_volume/main.py", line 39, in __init__
    self.main(self.argv)
  File "/usr/lib/python2.7/site-packages/ceph_volume/decorators.py", line 59, in newfunc
    return f(*a, **kw)
  File "/usr/lib/python2.7/site-packages/ceph_volume/main.py", line 151, in main
    terminal.dispatch(self.mapper, subcommand_args)
  File "/usr/lib/python2.7/site-packages/ceph_volume/terminal.py", line 194, in dispatch
    instance.main()
  File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/main.py", line 42, in main
    terminal.dispatch(self.mapper, self.argv)
  File "/usr/lib/python2.7/site-packages/ceph_volume/terminal.py", line 194, in dispatch
    instance.main()
  File "/usr/lib/python2.7/site-packages/ceph_volume/decorators.py", line 16, in is_root
    return func(*a, **kw)
  File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/batch.py", line 415, in main
    self._execute(plan)
  File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/batch.py", line 434, in _exec
ute
    c.create(argparse.Namespace(**args))
  File "/usr/lib/python2.7/site-packages/ceph_volume/decorators.py", line 16, in is_root
    return func(*a, **kw)
  File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/create.py", line 26, in creat

```

```

e
    prepare_step.safe_prepare(args)
    File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/prepare.py", line 252, in saf
e_prepare
    self.prepare()
    File "/usr/lib/python2.7/site-packages/ceph_volume/decorators.py", line 16, in is_root
    return func(*a, **kw)
    File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/prepare.py", line 394, in pre
pare
    osd_fsid,
    File "/usr/lib/python2.7/site-packages/ceph_volume/devices/lvm/prepare.py", line 119, in pre
pare_bluestore
    db=db
    File "/usr/lib/python2.7/site-packages/ceph_volume/util/prepare.py", line 480, in osd_mkfs_b
luestore
    raise RuntimeError('Command failed with exit code %s: %s' % (returncode, ' '.join(command)
))
RuntimeError: Command failed with exit code 250: /bin/ceph-osd --cluster ceph --osd-objectstor
e bluestore --mkfs -i 48 --monmap /var/lib/ceph/osd/ceph-48/activate.monmap --keyfile - --bluestor
e-block-wal-path /dev/ceph-7634c4cc-08e9-4293-9be7-88591cedad07/osd-wal-d02bd532-3e7d-44d3-89ef-cb
721c19bde2 --bluestore-block-db-path /dev/ceph-f5ecf715-07b9-4d07-8700-d60187ca1938/osd-db-eb170f6
c-7e4c-4991-8e85-fbc30abac8d5 --osd-data /var/lib/ceph/osd/ceph-48/ --osd-uuid 6d20d8c8-fdc2-41e0-
98d7-b2777f5002f5 --setuser ceph --setgroup ceph
stderr_lines: <omitted>
stdout: ''
stdout_lines: <omitted>

```

History

#1 - 06/10/2021 09:27 AM - Igor Fedotov

- Status changed from New to Need More Info

There should be relevant osd log under /var/log/ceph... Could you please share it?

#2 - 06/12/2021 12:52 PM - Zhike Li

Thank you very much for your attention to the problem I met. Since the log file is too large (more than 1000KB), I have sent it to your email. I hope we can make progress together!

#3 - 06/14/2021 12:08 PM - Sebastian Wagner

- Description updated

#4 - 06/16/2021 09:11 AM - Igor Fedotov

Zhike Li wrote:

Thank you very much for your attention to the problem I met. Since the log file is too large (more than 1000KB), I have sent it to your email. I hope we can make progress together!

email still doesn't have desired log - I meant OSD one for osd.48, sorry for the unclear request

#5 - 06/16/2021 01:55 PM - Zhike Li

- File ceph-osd.48.log added

Thank you for your attention!This is my configuration of group_vars/osds.yml.

devices:

- /dev/sda
- /dev/sdb
- /dev/sdc
- /dev/sdd
- /dev/sde
- /dev/sdf
- /dev/sgd
- /dev/sdh
- /dev/sdj
- /dev/sdk
- /dev/sdl
- /dev/sdm
- /dev/nvme0n1
- /dev/nvme1n1

#devices: []

1. Declare devices to be used as block.db devices

dedicated_devices:

- /dev/nvme2n1

#dedicated_devices: []

bluestore_wal_devices:

- /dev/nvme3n1

#bluestore_wal_devices:

Attached is the log of creating SSD type OSD with LVM, similar to the log of other OSD deployment errors.

#6 - 06/17/2021 12:11 PM - Igor Fedotov

Zhike Li wrote:

Thank you for your attention!This is my configuration of group_vars/osds.yml.

devices:

- /dev/sda
- /dev/sdb
- /dev/sdc
- /dev/sdd
- /dev/sde

```
- /dev/sdf
- /dev/sdg
- /dev/sdh
- /dev/sdj
- /dev/sdk
- /dev/sdl
- /dev/sdm
- /dev/nvme0n1
- /dev/nvme1n1
```

```
#devices: []
```

1. Declare devices to be used as block.db devices

```
dedicated_devices:
- /dev/nvme2n1
```

```
#dedicated_devices: []
```

```
bluestore_wal_devices:
- /dev/nvme3n1
```

```
#bluestore_wal_devices:
```

Attached is the log of creating SSD type OSD with LVM, similar to the log of other OSD deployment errors.

If OSD creation procedure leaves the OSD in a state which allows ceph-bluestore-tool invocation against that OSD could you please run the following command and share OSD log (named fsck.log):

```
CEPH_ARGS="--debug-bluefs 20 --debug-bdev 20 --log-file fsck.log" ceph-bluestore-tool --path /var/lib/ceph/osd/ceph-48 --command fsck
```

Additionally you might want to check dmesg output for relevant read errors - looks like readings are failing for unknown reason...

#7 - 06/17/2021 09:24 PM - Neha Ojha

- Project changed from Ceph to bluestore

Please feel free to move it to ceph-volume, if it isn't bluestore related.

Files

ceph-osd.48.log

54.7 KB

06/16/2021

Zhike Li