## Description

$ ceph fs subvolume create cephfs zig
$ ceph fs subvolume snapshot create cephfs zig zig-snap0
$ ceph fs subvolume rm cephfs zig

Since deletion is asynchronous (rename+background purge), the rename succeeds. But the purge threads are unable to purge the entry in trash

```
2020-01-17T04:26:51.650-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.purge_queue] registering purge job: cephfs.b'48cc3cb5-78e9-4c75-be22-82e8c782fe91'
2020-01-17T04:26:51.650-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.purge_queue] purging trash entry 'b'48cc3cb5-78e9-4c75-be22-82e8c782fe91'' for volume 'cephfs'
2020-01-17T04:26:51.650-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.operations.volume] self.fs_id=50, fs_id=50
2020-01-17T04:26:51.651-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.operations.trash] rmtree b'/volumes/_deleting/48cc3cb5-78e9-4c75-be22-82e8c782fe91'
2020-01-17T04:26:51.650-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.operations.trash] rmtree b'/volumes/_deleting/48cc3cb5-78e9-4c75-be22-82e8c782fe91/307c9153-e36b-44b6-b264-a82287535b0f'
2020-01-17T04:26:51.659-0500 7f042a808700 0 [volumes] [WARNING] [volumes.fs.purge_queue] failed to purge cephfs.b'48cc3cb5-78e9-4c75-be22-82e8c782fe91' (-39)
2020-01-17T04:26:51.659-0500 7f042a808700 0 [volumes] [DEBUG] [volumes.fs.purge_queue] unregistering purge job: cephfs.b'48cc3cb5-78e9-4c75-be22-82e8c782fe91'
```

For the fix, fail the delete (rm) operation if a subvolume has snapshots.

## Related issues:

Copied to CephFS - Backport #43724: nautilus: mgr/volumes: subvolumes with sn... Resolved
#2 - 01/20/2020 07:07 PM - Patrick Donnelly
- Status changed from Fix Under Review to Pending Backport
- Target version set to v15.0.0

#3 - 01/20/2020 10:17 PM - Nathan Cutler
- Copied to Backport #43724: nautilus: mgr/volumes: subvolumes with snapshots can be deleted added

#4 - 02/12/2020 04:29 PM - Ramana Raja
- Status changed from Pending Backport to Resolved