

## CephFS - Bug #49644

### vstart\_runner: run\_ceph\_w() doesn't work with shell=True

03/08/2021 09:05 AM - Rishabh Dave

<b>Status:</b>	New	<b>% Done:</b>	0%
<b>Priority:</b>	Normal		
<b>Assignee:</b>	Rishabh Dave		
<b>Category:</b>			
<b>Target version:</b>			
<b>Source:</b>		<b>ceph-qa-suite:</b>	
<b>Tags:</b>		<b>Component(FS):</b>	qa-suite
<b>Backport:</b>		<b>Labels (FS):</b>	qa
<b>Regression:</b>	No	<b>Pull request ID:</b>	
<b>Severity:</b>	3 - minor	<b>Crash signature (v1):</b>	
<b>Reviewed:</b>		<b>Crash signature (v2):</b>	
<b>Affected Versions:</b>			

#### Description

Setting shell to True leads to a crash when `tasks.mgr.test_module_selftest.TestModuleSelftest.test_selftest_cluster_log` is run on "ceph API" GitHub CI job. The crash happens when `self.subproc.communicate()` is run in `self.watcher_process.finished()` (`self.watcher_process` is an instance of `LocalRemoteProcess`) in `ContextManager.__exit__()`.

See ceph API job on this PR (<https://github.com/ceph/ceph/pull/38471>) to see the crash. The console output also contains extra debug messages that shows that crashed happened on call to `self.proc.communicate()` in `LocalRemoteProcess.finished()`.

Ideally, the `run_ceph_w()` should work even when shell is set to True.

Also see this PR - <https://github.com/ceph/ceph/pull/38443>. Especially this discussion on it might be helpful - [https://github.com/ceph/ceph/pull/38443#discussion\\_r537673068](https://github.com/ceph/ceph/pull/38443#discussion_r537673068).

Why do we need to set shell to True?

Currently, `teuthology.orchestra.run.run()` executes commands with shell set to True while `vstart_runner.LocalRemoteProcess.run` runs with `shell@s` set to `@False`. This inconsistency leads to incompatibility and bugs and makes code in `teuthology.remote` non-reusable.

#### History

##### #1 - 03/08/2021 02:43 PM - Patrick Donnelly

- Status changed from New to In Progress
- Assignee set to Rishabh Dave

##### #2 - 03/08/2021 02:44 PM - Rishabh Dave

This PR exposes this issue and adds a workaround for it - <https://github.com/ceph/ceph/pull/38443>.

##### #3 - 03/11/2021 06:05 PM - Rishabh Dave

- Subject changed from `qa/ceph_manager: run_ceph_w() doesn't work with shell=True` to `vstart_runner: run_ceph_w() doesn't work with shell=True`

##### #4 - 04/28/2021 06:32 AM - Rishabh Dave

- Status changed from In Progress to New