

Other health status messages might require further troubleshooting because they might indicate several possible root causes. For example, the following message indicates an issue that has multiple possible solutions:

```
[ceph: root@node /]# ceph health detail
HEALTH_WARN 1 pools have too few placement groups
[WRN] POOL_T00_FEW_PGS: 1 pools have too few placement groups
Pool testpool has 8 placement groups, should have 32
```

You can resolve this issue by changing the `pg_num` setting on the specified pool, or by reconfiguring the `pg_autoscaler` mode setting from `warn` to `on` so that Ceph automatically adjusts the number of PGs.

Ceph sends health messages regarding performance when a cluster performance health check fails. For example, OSDs send heartbeat ping messages to each other to monitor OSD daemon availability. Ceph also uses the OSD ping response times to monitor network performance. A single failed OSD ping message could mean a delay from a specific OSD, indicating a potential problem with that OSD. Multiple failed OSD ping messages might indicate a failure of a network component, such as a network switch between OSD hosts.



Note

View the list of health check messages of a Ceph cluster at https://access.redhat.com/documentation/en-us/red_hat_ceph_storage/5/html-single/troubleshooting_guide/index#health-messages-of-a-ceph-cluster_diag.

You can find a list of health check messages specific to CephFS at https://access.redhat.com/documentation/en-us/red_hat_ceph_storage/5/html-single/file_system_guide/index#health-messages-for-the-ceph-file-system_fs.

Muting Ceph Health Alerts

You might want to temporarily mute some of the cluster warnings because you already know of them and do not need to fix them yet. For example, if you bring down an OSD for maintenance, then the cluster reports a `HEALTH_WARN` status. You can mute this warning message so that the health check does not affect the overall reported status.

Ceph specifies the health check alert by using health check codes. For example, the previous `HEALTH_WARN` message shows the `POOL_T00_FEW_PGS` health code.

To mute a health alert message, use the `ceph health mute` command.

```
[ceph: root@node /]# ceph health mute health-code [duration]
```

The `health-code` is the code provided by the `ceph health detail` command. The optional parameter `duration` is the time that the health message is muted, specified in seconds, minutes, or hours. You can unmute a health message with the `ceph health unmute health-code` command.

When you mute a health message, Ceph automatically unmutes the alert if the health status further degrades. For example, if your cluster reports one OSD down and you mute that alert, Ceph automatically removes the mute if another OSD goes down. Any health alerts that can be measured unmute.