norecover

The norecover flag prevents recovery operations from running. Use the norecover flag when performing maintenance or a cluster shutdown.

nobackfill

The nobackfill flag prevents backfill operations from running. Use the nobackfill flag when performing maintenance or a cluster shutdown. Backfilling is discussed later in this section.

norebalance

The norebalance flag prevents rebalancing operations from running. Use the norebalance flag when performing maintenance or a cluster shutdown.

noscrub

The noscrub flag prevents scrubbing operations from running. Scrubbing will be discussed later in this section.

nodeep-scrub

The nodeep-scrub flag prevents any deep-scrubbing operation from running. Deep-scrubbing is discussed later in this section.

Cluster Power Down

Perform the following steps to shut down the entire cluster:

- · Prevent clients from accessing the cluster.
- Ensure that the cluster is in a healthy state (HEALTH_OK) and that all PGs are in an active +clean state before proceeding.
- · Bring down CephFS.
- Set the noout, norecover, norebalance, nobackfill, nodown, and pause flags.
- Shut down all Ceph Object Gateways (RGW) and iSCSI Gateways.
- · Shut down OSD nodes one by one.
- Shut down MON and MGR nodes one by one.
- · Shut down the admin node.

Cluster Power Up

Perform the following steps to power on the cluster:

- Power up cluster nodes in the following order: admin node, MON and MGR nodes, OSD nodes, MDS nodes.
- · Clear the noout, norecover, norebalance, nobackfill, nodown and pause flags.
- Bring up Ceph Object Gateways and iSCSI Gateways.
- · Bring up CephFS.

Monitoring the Cluster

View the MON quorum status with the ceph mon stat or the ceph quorum_status -f json-pretty commands.

[ceph: root@node /]# ceph mon stat

[ceph: root@node /]# ceph quorum_status -f json-pretty

You can also view the status of MONs in the Dashboard.