ADD/REMOVE MONITORS

With ceph-deploy, adding and removing monitors is a simple task. You just add or remove one or more monitors on the command line with one command. Before ceph-deploy, the process of adding and removing monitors involved numerous manual steps. Using ceph-deploy imposes a restriction: you may only install one monitor per host.

Note: We do not recommend comingling monitors and OSDs on the same host.

For high availability, you should run a production Ceph cluster with **AT LEAST** three monitors. Ceph uses the Paxos algorithm, which requires a consensus among the majority of monitors in a quorum. You can establish a monitor quorum with only one monitor; however, you can not determine a majority with two monitors. A majority of monitors must be counted as such: 1:1, 2:3, 3:4, 3:5, 4:6, etc.

See Monitor Config Reference for details on configuring monitors.

ADD A MONITOR

Once you create a cluster and install Ceph packages to the monitor host(s), you may deploy the monitor(s) to the monitor host(s). When using ceph-deploy, the tool enforces a single monitor per host.

ceph-deploy mon create {host-name [host-name]...}

Note: Ensure that you add monitors such that they may arrive at a consensus among a majority of monitors.

Note: When adding a monitor on a host that was not in hosts intially defined with the ceph-deploy new command, a public network statement needs to be be added to the ceph.conf file.

REMOVE A MONITOR

If you have a monitor in your cluster that you'd like to remove, you may use the destroy option.

ceph-deploy mon destroy {host-name [host-name]...}

Note: Ensure that if you remove a monitor, the remaining monitors will be able to establish a consensus. If that is not possible, consider adding a monitor before removing the monitor you would like to take offline.