

# Rook (Ceph Operator) Cheatsheet

## Connection

**kubectl get pods -n rook-ceph**

List all Rook-Ceph pods

**kubectl get cephclusters -n rook-ceph**

Get status of Ceph clusters

**kubectl -n rook-ceph get deployment**

List all deployments in rook-ceph namespace

## Status

**kubectl -n rook-ceph get cephclusters -o yaml**

Get detailed cluster configuration

**kubectl -n rook-ceph get cephblockpools**

List Ceph block pools

**kubectl -n rook-ceph get cephfilesystems**

List Ceph filesystems

**kubectl -n rook-ceph get cephobjectstores**

List Ceph object stores

**kubectl -n rook-ceph describe cephcluster**

Get detailed cluster status

## Tools

**kubectl -n rook-ceph exec -it \$(kubectl -n rook-ceph get pod -l app=rook-ceph-tools -o jsonpath='{.items[0].metadata.name}') -- bash**  
Connect to the Rook-Ceph tools pod

**kubectl -n rook-ceph exec -it \$(kubectl -n rook-ceph get pod -l app=rook-ceph-tools -o jsonpath='{.items[0].metadata.name}') -- ceph status**

Check overall Ceph cluster status

**kubectl -n rook-ceph exec -it \$(kubectl -n rook-ceph get pod -l app=rook-ceph-tools -o jsonpath='{.items[0].metadata.name}') -- ceph osd status**

Check status of OSDs

**kubectl -n rook-ceph exec -it \$(kubectl -n rook-ceph get pod -l app=rook-ceph-tools -o jsonpath='{.items[0].metadata.name}') -- ceph df**  
Check storage usage

## Debugging

**kubectl -n rook-ceph logs <pod-name>**

View logs of a specific pod

**kubectl -n rook-ceph exec -it <pod-name> -- bash**

Connect to a specific pod

**kubectl -n rook-ceph describe pod <pod-name>**

Get detailed info about specific pod

## Storage Management

**kubectl -n rook-ceph get pv**

List all persistent volumes

**kubectl -n rook-ceph get pvc**

List all persistent volume claims

**kubectl -n rook-ceph get storageclass**

List storage classes

**kubectl apply -f <storageclass-yaml>**

Create or update a storage class

## Cleanup

**kubectl delete -f <cluster.yaml>**

Delete the Ceph cluster

**kubectl delete -f <operator.yaml>**

Delete the operator

**kubectl delete -f <common.yaml>**

Delete common resources