

CEPH Quick Start – CEPH Installation Process

- 1) You need to be “root ” user to install CEPH
`sudo su –`
- 2) Make a new directory (‘my-cluster’ is name of the directory in this case)
`mkdir my-cluster`
- 3) Change the directory to the newly created directory
`cd my-cluster`
- 4) To create the cluster
`ceph-deploy new YourHostName`
(Host name is represented ‘[root@YourHostName ~]’ in this format on screen)
- 5) To install the ceph
`ceph-deploy install YourHostName`
- 6) Now open the ceph.conf file
Mention your YourHostName and local IP address
- 7) To generate monitors
`ceph-deploy mon create-initial`
- 8) Once you complete this process, your local directory should have the following keyrings
`{cluster-name}.client.admin.keyring`
`{cluster-name}.bootstrap-osd.keyring`
`{cluster-name}.bootstrap-mds.keyring`
- 9) From your admin node, use following command to prepare OSDs
`ceph-deploy osd prepare YourHostName : /my-cluster`
- 10) Activate the OSDs
`ceph-deploy osd activate YourHostName : /my-cluster`
- 11) To set the admin
`ceph-deploy admin YourHostName`
- 12) To ensure you have correct permissions
`sudo chmod +r /etc/ceph/ceph.client.admin.keyring`
- 13) To check your cluster’s health
`ceph health`