INSTALLATION (CEPH-DEPLOY)

STEP 1: PREFLIGHT

A Ceph Client and a Ceph Node may require some basic configuration work prior to deploying a Ceph Storage Cluster. You can also avail yourself of help by getting involved in the Ceph community.

- Preflight
  - Ceph-deploy Setup
    - Debian/Ubuntu
    - RHEL/CentOS
    - openSUSE
  - Ceph Node Setup
    - Install NTP
    - Install SSH Server
    - Create a Ceph Deploy User
    - Enable Password-less SSH
    - Enable Networking On Bootup
    - Ensure Connectivity
    - Open Required Ports
    - TTY
    - SELinux
    - Priorities/Preferences
  - Summary

STEP 2: STORAGE CLUSTER

Once you have completed your preflight checklist, you should be able to begin deploying a Ceph Storage Cluster.

- Storage Cluster Quick Start
  - Starting over
  - Create a Cluster
  - Expanding Your Cluster
    - Add a Metadata Server
    - Adding Monitors
    - Adding Managers
    - Add an RGW Instance
  - Storing/Retrieving Object Data

STEP 3: CEPH CLIENT(S)

Most Ceph users don't store objects directly in the Ceph Storage Cluster. They typically use at least one of Ceph Block Devices, the Ceph Filesystem, and Ceph Object Storage.

- Block Device Quick Start
  - Install Ceph
  - Create a Block Device Pool
  - Configure a Block Device
- Filesystem Quick Start
  - Prerequisites
  - Create a Filesystem
  - Create a Secret File
  - Kernel Driver
  - Filesystem in User Space (FUSE)
  - Additional Information
- Object Storage Quick Start
  - Installing Ceph Object Gateway
  - Creating the Ceph Object Gateway Instance
  - Configuring the Ceph Object Gateway Instance