

# Change hostname & IP Manually

1. Stop Ceph Client
2. Stop Ceph RGW iSCSI MDS
3. Stop OSD
4. Stop MON
5. Replace Monmap IP
6. Replace Auth Name
7. Replace Node IP & Hostname
8. Replace hosts
9. Start MON
10. Start OSD

## GLOBAL

### Unmount RBD Client

### Rename Ceph OSD Node Bucket Name to Avoid Rebalance

```
[root@node-ceph-mon ~]#  
$ ceph osd tree  
$ ceph osd crush rename-bucket old-node-name new-node-name
```

### Stop Ceph Service

```
[root@node-ceph-mon ~]#  
$ ansible mds -m systemd -a "name=ceph-mds.target state=stopped"  
$ ansible osd -m systemd -a "name=ceph-osd.target state=stopped"  
$ ansible mon -m systemd -a "name=ceph-mon.target state=stopped"  
$ ansible mon -m systemd -a "name=ceph-mgr.target state=stopped"
```

Start Ceph Service

```
$ systemctl start ceph-{mgr,osd,mon,mds}.target
```

### Edit Hostname

```
$ hostnamectl set-hostname new-hostname
```

### Edit Node IP Address

```
$ nmcli connection modify bondo ipv4.addresses 192.168.1.101/24  
$ nmcli connection modify bondo ipv4.gateway 192.168.1.1  
$ nmcli connection show bondo
```

### Edit /etc/hosts

Do it manually

**Edit /etc/ceph/ceph.conf, ~/cluster/ceph.conf**

## Ceph-Mon

### Monmap

```
OLD: node111-3f9fc 192.168.1.111
NEW: node-mon 192.168.1.101
### ceph-mon -i ${ceph-mon-data-folder}
[root@node-ceph-mon ~]#
$ ceph-mon -i node111-3f9fc --extract-monmap /etc/ceph/monmap
2019-09-20 08:37:39.226517 7fbe809010 -1 wrote monmap to /etc/ceph/monmap
$ monmaptool --print /etc/ceph/monmap
monmaptool: monmap file /etc/ceph/monmap
epoch 1
fsid f15eb8ae-d7e3-4527-855d-1559e30cb25b
last_changed 2019-09-18 06:39:28.509776
created 2019-09-18 06:39:28.509776
o: 192.168.1.111:6789/o mon.node111-3f9fc
$ monmaptool --rm node111-3f9fc /etc/ceph/monmap
monmaptool: monmap file /etc/ceph/monmap
monmaptool: removing node111-3f9fc
monmaptool: writing epoch 1 to /etc/ceph/monmap (0 monitors)
$ monmaptool --add node-mon 192.168.1.101 /etc/ceph/monmap
monmaptool: monmap file /etc/ceph/monmap
monmaptool: writing epoch 1 to /etc/ceph/monmap (1 monitors)
$ monmaptool --print /etc/ceph/monmap
monmaptool: monmap file /etc/ceph/monmap
epoch 1
fsid f15eb8ae-d7e3-4527-855d-1559e30cb25b
last_changed 2019-09-18 06:39:28.509776
created 2019-09-18 06:39:28.509776
o: 192.168.1.101:6789/o mon.node-mon
# You should scp /etc/ceph/monmap to ALL Ceph-Mon and inject it.
$ ceph-mon -i node111-3f9fc --inject-monmap /etc/ceph/monmap
$ echo $?
0
```

### Directory Name

```
OLD: node111-3f9fc 192.168.1.111
NEW: node-mon 192.168.1.101
$ mv /var/lib/ceph/mon/ceph-node111-3f9fc/ /var/lib/ceph/mon/ceph-node-mon/
```

## Ceph-OSD

Nothing needs to be changed

## Ceph-MGR

**#Remove folder and create new ceph-mgr when ceph is alive.**

### Remove Folder

```
$ /bin/rm -r /var/lib/ceph/mgr/ceph-node111-3f9fc
```

### Remove Keyring

```
$ ceph auth del mgr.node111-3f9fc
```

### Deploy Ceph-MGR

```
[root@node-ceph-mon ~]#
```

```
$ cd ~/cluster
```

```
$ ceph-deploy mgr create new-mgr-node-name
```

## Ceph-MDS

**#Remove folder and create new ceph-mds when ceph is alive.**

### Remove Folder

```
$ /bin/rm -r /var/lib/ceph/mds/ceph-node111-3f9fc
```

### Remove Keyring

```
$ ceph auth del mds.node111-3f9fc
```

### Deploy Ceph-MDS

```
[root@node-ceph-mon ~]#
```

```
$ cd ~/cluster
```

```
$ ceph-deploy mds create new-mds-node-name
```