

Single Node CEPH

Nécessite une bonne configuration du nom d'host, et dans ce HOW-TO, ce sera **st01**.

On va commencer par créer la clé SSH pour le compte root.

```
# ssh-keygen && cp ~/.ssh/id_rsa.pub ~/.ssh/authorized_keys
```

Ajout du dépôt ceph

```
# wget -q -O- 'https://download.ceph.com/keys/release.asc' | apt-key add -  
# echo deb http://download.ceph.com/debian-luminous/ stretch main | tee  
/etc/apt/sources.list.d/ceph.list
```

Puis on installe l'outil **ceph-deploy**

```
# apt update && apt install ceph-deploy
```

Et créer un dossier de cluster, qui stockera les informations du cluster.

```
# mkdir CLUSTER-DIR && cd CLUSTER-DIR
```

On créer le cluster:

```
# ceph-deploy new st01:IP_ADDRESS
```

On ajoute ces deux lignes dans le fichier **ceph.conf**

```
osd pool default size = 2  
osd crush chooseleaf type = 0
```

Default pool size is how many replicas of our data we want (2). The chooseleaf setting is required to tell ceph we are only a single node and that it's OK to store the same copy of data on the same physical node. Normally for safety, ceph distributes the copies and won't leave all your eggs in the same basket (server).

```
ceph-deploy install --release luminous st01
```

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