

添加安装源

```
wget -q -O-
'https://download.ceph.com/keys/release.asc' | sudo
apt-key add -
echo deb https://download.ceph.com/debian-{ceph-stable-
release}/ $(lsb_release -sc) main | sudo tee
/etc/apt/sources.list.d/ceph.list
```

安装ceph-deploy

```
sudo apt update
sudo apt -y install ceph-deploy
```

```
File Edit View Search Terminal Help
kwok@ubuntu:~$ sudo apt -y install ceph-deploy
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libpython-stdlib python python-minimal python-pkg-resources
  python-setuptools python2.7 python2.7-minimal
Suggested packages:
  python-doc python-tk python-setuptools-doc python2.7-doc binfmt-support
The following NEW packages will be installed:
  ceph-deploy libpython-stdlib python python-minimal python-pkg-resources
  python-setuptools python2.7 python2.7-minimal
0 upgraded, 8 newly installed, 0 to remove and 55 not upgraded.
Need to get 2,269 kB of archives.
After this operation, 7,562 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7-minimal amd64 2.7.17-1-18.04ubuntu1.6 [1,291 kB]
Get:2 https://download.ceph.com/debian-luminous bionic/main amd64 ceph-deploy all 2.0.1 [97.2 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-minimal amd64 2.7.15-rc1-1 [28.1 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7 amd64 2.7.17-1-18.04ubuntu1.6 [248 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libpython-stdlib amd64 2.7.15-rc1-1 [7,620 B]
Get:6 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python amd64 2.7.15-rc1-1 [140 kB]
Get:7 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-pkg-resources all 39.0.1-2 [128 kB]
Get:8 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-setuptools all 39.0.1-2 [329 kB]
Fetched 2,269 kB in 8s (278 kB/s)
Selecting previously unselected package python2.7-minimal.
(Reading database ... 127616 files and directories currently installed.)
Preparing to unpack .../python2.7-minimal_2.7.17-1-18.04ubuntu1.6_amd64.deb ...
Unpacking python2.7-minimal (2.7.17-1-18.04ubuntu1.6) ...
Selecting previously unselected package python-minimal.
Preparing to unpack .../python-minimal_2.7.15-rc1-1_amd64.deb ...
Unpacking python-minimal (2.7.15-rc1-1) ...
Selecting previously unselected package python2.7.
Preparing to unpack .../python2.7_2.7.17-1-18.04ubuntu1.6_amd64.deb ...
Unpacking python2.7 (2.7.17-1-18.04ubuntu1.6) ...
Selecting previously unselected package libpython-stdlib:amd64.
Preparing to unpack .../libpython-stdlib_2.7.15-rc1-1_amd64.deb ...
Unpacking libpython-stdlib:amd64 (2.7.15-rc1-1) ...
Setting up python2.7-minimal (2.7.17-1-18.04ubuntu1.6) ...
Linking and byte-compiling packages for runtime python2.7...
Setting up python-minimal (2.7.15-rc1-1) ...
Selecting previously unselected package python.
(Reading database ... 127673 files and directories currently installed.)
Preparing to unpack .../python_2.7.15-rc1-1_amd64.deb ...
Unpacking python (2.7.15-rc1-1) ...
Selecting previously unselected package python-pkg-resources.
Preparing to unpack .../python-pkg-resources_39.0.1-2_all.deb ...
Unpacking python-pkg-resources (39.0.1-2) ...
Selecting previously unselected package python-setuptools.
Preparing to unpack .../python-setuptools_39.0.1-2_all.deb ...
Unpacking python-setuptools (39.0.1-2) ...
Selecting previously unselected package ceph-deploy.
Preparing to unpack .../ceph-deploy_2.0.1_all.deb ...
Unpacking ceph-deploy (2.0.1) ...
Setting up python2.7 (2.7.17-1-18.04ubuntu1.6) ...
Setting up libpython-stdlib:amd64 (2.7.15-rc1-1) ...
Setting up python (2.7.15-rc1-1) ...
Setting up python-pkg-resources (39.0.1-2) ...
```

安装ceph软件包

```
mkdir myceph
cd myceph
ceph-deploy new ubuntu
```

使用命令ls查看myceph文件夹里有ceph.conf

```
gedit /etc/ceph.conf
```

加入以下内容

```
[global]
osd pool default size = 1
osd pool default min size = 1
```

安装ceph软件

```
ceph-deploy install --release luminous ubuntu
```

```
File Edit View Search Terminal Help
root@ubuntu:~/myceph$ gedit /etc/ceph.conf
root@ubuntu:~/myceph$ gedit /etc/ceph.conf
root@ubuntu:~/myceph$ ceph-deploy install --release luminous ubuntu
[ceph_deploy.conf][DEBUG ] found configuration file at: /root/.cephdeploy.conf
[ceph_deploy.cli][INFO ] Invoked (2.0.1): /usr/bin/ceph-deploy install --release luminous ubuntu
[ceph_deploy.cli][INFO ] ceph-deploy options:
[ceph_deploy.cli][INFO ] verbose : False
[ceph_deploy.cli][INFO ] testing : None
[ceph_deploy.cli][INFO ] cd_conf : <ceph_deploy.conf.cephdeploy.conf instance at 0x777e9943ec88>
[ceph_deploy.cli][INFO ] cluster : ceph
[ceph_deploy.cli][INFO ] dev_commit : None
[ceph_deploy.cli][INFO ] install_nfs : False
[ceph_deploy.cli][INFO ] stable : None
[ceph_deploy.cli][INFO ] default_release : False
[ceph_deploy.cli][INFO ] username : None
[ceph_deploy.cli][INFO ] adjust_repos : True
[ceph_deploy.cli][INFO ] func : <function install at 0x777e99cf8a50>
[ceph_deploy.cli][INFO ] install_mgr : False
[ceph_deploy.cli][INFO ] install_all : False
[ceph_deploy.cli][INFO ] repo : False
[ceph_deploy.cli][INFO ] host : ['ubuntu']
[ceph_deploy.cli][INFO ] install_rgw : False
[ceph_deploy.cli][INFO ] install_tests : False
[ceph_deploy.cli][INFO ] repo_url : None
[ceph_deploy.cli][INFO ] ceph_conf : None
[ceph_deploy.cli][INFO ] install_osd : False
[ceph_deploy.cli][INFO ] version_kind : stable
[ceph_deploy.cli][INFO ] install_common : False
[ceph_deploy.cli][INFO ] overwrite_conf : False
[ceph_deploy.cli][INFO ] quiet : False
[ceph_deploy.cli][INFO ] dev : master
[ceph_deploy.cli][INFO ] naggscheck : False
[ceph_deploy.cli][INFO ] local_mirror : None
[ceph_deploy.cli][INFO ] release : luminous
[ceph_deploy.cli][INFO ] install_mon : False
[ceph_deploy.cli][INFO ] pgp_url : None
[ceph_deploy.install][DEBUG ] Installing stable version luminous on cluster ceph hosts ubuntu
[ceph_deploy.install][DEBUG ] Detecting platform for host ubuntu ...
[ubuntu][DEBUG ] connected to host: ubuntu
[ubuntu][DEBUG ] detect platform information from remote host
[ubuntu][DEBUG ] detect machine type
[ceph_deploy.install][INFO ] Distro info: Ubuntu 18.04 bionic
[ubuntu][INFO ] Installing Ceph on ubuntu
[ubuntu][INFO ] Running command: env DEBIAN_FRONTEND=noninteractive DEBIAN_PRIORITY=critical apt-get --assume-yes -q update
[ubuntu][DEBUG ] Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
[ubuntu][DEBUG ] Hit:2 http://us.archive.ubuntu.com/ubuntu bionic InRelease [88.7 kB]
[ubuntu][DEBUG ] Get:3 http://us.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
[ubuntu][DEBUG ] Hit:4 https://download.ceph.com/debian-luminous bionic InRelease
[ubuntu][DEBUG ] Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 DEP-11 Metadata [58.3 kB]
[ubuntu][DEBUG ] Get:6 http://us.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
[ubuntu][DEBUG ] Get:7 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 DEP-11 Metadata [58.9 kB]
[ubuntu][DEBUG ] Get:8 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 DEP-11 Metadata [2,468 B]
[ubuntu][DEBUG ] Get:9 http://us.archive.ubuntu.com/ubuntu bionic-updates/main i386 Packages [1,378 kB]
[ubuntu][DEBUG ] Get:10 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [2,303 kB]
[ubuntu][DEBUG ] Get:11 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 DEP-11 Metadata [293 kB]
[ubuntu][DEBUG ] Get:12 http://us.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1,766 kB]
[ubuntu][DEBUG ] Get:13 http://us.archive.ubuntu.com/ubuntu bionic-updates/universe i386 Packages [1,589 kB]
[ubuntu][DEBUG ] Get:14 http://us.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 DEP-11 Metadata [380 kB]
[ubuntu][DEBUG ] Get:15 http://us.archive.ubuntu.com/ubuntu bionic-updates/universe DEP-11 64x64 Icons [503 kB]
[ubuntu][DEBUG ] Get:16 http://us.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 DEP-11 Metadata [2,468 B]
[ubuntu][DEBUG ] Get:17 http://us.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 DEP-11 Metadata [9,268 B]
```

启动 Monitor 节点后 Ceph 集群就可以访问了，通过`ceph -s`命令可以查看集群的状态。