

RBD

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```
ceph osd pool create nfs-pool 128 128
rbd create nfs-pool/share1 --size 2048
rbd map nfs-pool/share1 --id admin --keyfile /etc/ceph/ceph.client.admin.keyring
rbd showmapped
mkfs.ext4 -m0 /dev/rbd/nfs-pool/share1
mkdir /mnt/nfs-share
mount -t ext4 /dev/rbd/nfs-pool/share1 /mnt/nfs-share/
```

NFS Server

```
apt-get install -y nfs-server
```

```
vim /etc/exports
```

```
/mnt/nfs-share 172.16.*.*(rw,no_root_squash,no_all_squash,sync)
```

```
/etc/init.d/nfs-kernel-server restart
```

```
/etc/init.d/nfs-common restart
```

```
/etc/init.d/rpcbind restart
```

```
showmount -e localhost
```

NFS Client

```
mkdir /nfs-test
```

```
showmount -e NFS-SERVER-IP
```

```
mount -t nfs NFS-SERVER-IP:/mnt/nfs-share /nfs-test/
```

1

```
ceph osd pool create libvirt-pool 128 128
```

```
ceph osd lspools
```

2

```
ceph auth get-or-create client.libvirt mon 'allow r' osd 'allow class-read
object_prefix rbd_children, allow rwx pool=libvirt-pool'
```

```
ceph auth list
```

3

```
qemu-img create -f rbd rbd:libvirt-pool/new-libvirt-image 10G
```

4

```
<disk type='network' device='disk'>
<driver name='qemu' type='raw'/>
<source protocol='rbd' name='libvirt-pool/image01'>
<host name='mon1' port='6789'/>
</source>
<target dev='vda' bus='virtio'/>
</disk>
# 5
<secret ephemeral='no' private='no'>
<usage type='ceph'>
<name>client.libvirt secret</name>
</usage>
</secret>
# 6
<auth username='libvirt'>
<secret type='ceph' uuid='9ec59067-fdbc-a6c0-03ff-df165c0587b8'/>
</auth>
```

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