```
[ceph: root@clienta /]# rbd snap create rbdimagemode/data@beforeprod
Creating snap: 100% complete...done.
[ceph: root@clienta /]# exit
exit
```

11. On the `clienta` host, use the kernel RBD client to remap and remount the RBD image called `data` in the pool called `rbd`. Copy the `/etc/services` file to the root of the file system. Unmount the file system and unmap the device when done.

11.1. Map the `data` image in the `rbd` pool using the kernel RBD client. Mount the file system on `/mnt/data`.

```
[admin@clienta ~]$ sudo rbd map --pool rbd data
/dev/rbd0
[admin@clienta ~]$ sudo mount /dev/rbd0 /mnt/data
```

11.2. Copy the `/etc/services` file to the root of the file system, `/mnt/data`. List the contents of `/mnt/data` for verification.

```
[admin@clienta ~]$ sudo cp /etc/services /mnt/data/
[admin@clienta ~]$ ls /mnt/data/
services  words
```

11.3. Unmount the file system and unmap the `data` image in the `rbd` pool.

```
[admin@clienta ~]$ sudo umount /mnt/data
[admin@clienta ~]$ sudo rbd unmap --pool rbd data
```

12. In the production cluster, export changes to the `rbd/data` image, after the creation of the `beforeprod` snapshot, to a file called `/home/admin/cr4/data-diff.img`. Import the changes from the `/mnt/data-diff.img` file to the image called `data` in the `rbdimagemode` pool.

12.1. In the production cluster, use `sudo` to run the `cephadm` shell with a bind mount of the `/home/admin/cr4/` directory. Export changes to the `data` image in the `rbd` pool, after the creation of the `beforeprod` snapshot, to a file called `/mnt/token/data-diff.img`.

```
[admin@clienta ~]$ sudo cephadm shell --mount /home/admin/cr4/
...output omitted...
[ceph: root@clienta /]# rbd export-diff \
--from-snap beforeprod rbd/data \
/mnt/data-diff.img
Exporting image: 100% complete...done.
```

12.2. Import changes from the `/mnt/data-diff.img` file to the image called `data` in the pool called `rbdimagemode`. Exit from the `cephadm` shell.

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