Figure 6.5: Writing to an RBD snapshot

Deleting an RBD image fails if snapshots exist for the image. Use the `rbd snap purge` command to delete the snapshots.

Use the `rbd snap create` command to create a snapshot of a Ceph block device.

```
[root@node ~]# rbd snap create pool/image@firstsnap
Creating snap: 100% complete...done.
```

Use the `rbd snap ls` command to list the block device snapshots.

```
[root@node ~]# rbd snap ls pool/image
SNAPID  NAME       SIZE      PROTECTED   TIMESTAMP
     4  firstsnap  128 MiB               Thu Oct 14 16:55:01 2021
     7  secondsnap 128 MiB               Thu Oct 14 17:48:59 2021
```

Use the `rbd snap rollback` command to roll back a block device snapshot, overwriting the current version of the image with data from the snapshot.

```
[root@node ~]# rbd snap rollback pool/image@firstsnap
SNAPID  NAME       SIZE      PROTECTED   TIMESTAMP
     4  firstsnap  128 MiB               Thu Oct 14 16:55:01 2021
     7  secondsnap 128 MiB               Thu Oct 14 17:48:59 2021
```

Use the `rbd snap rm` command to delete a snapshot for Ceph block devices.

```
[root@node ~]# rbd snap rm pool/image@secondsnap
Removing snap: 100% complete...done.
```