Qcow2 snapshots

Disk Snapshots

Disk Snapshots

VM

VMM receives snapshot command

R/W
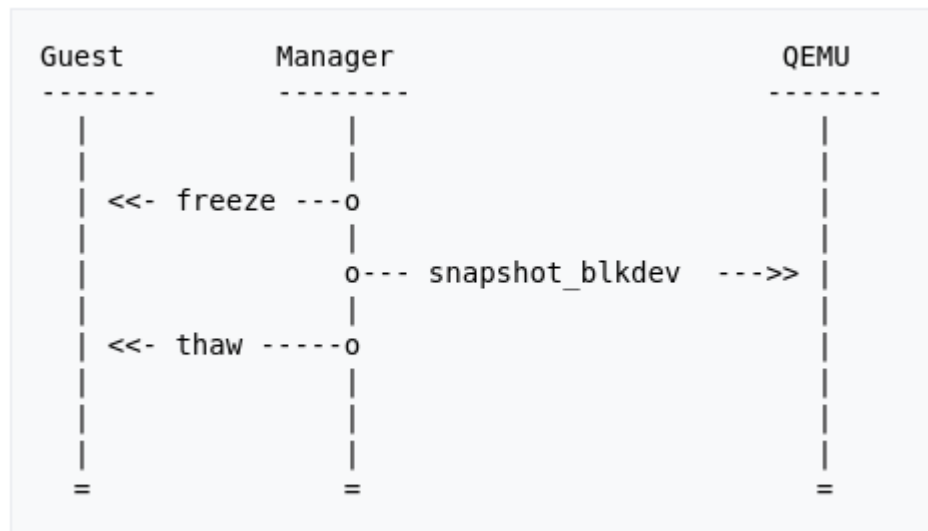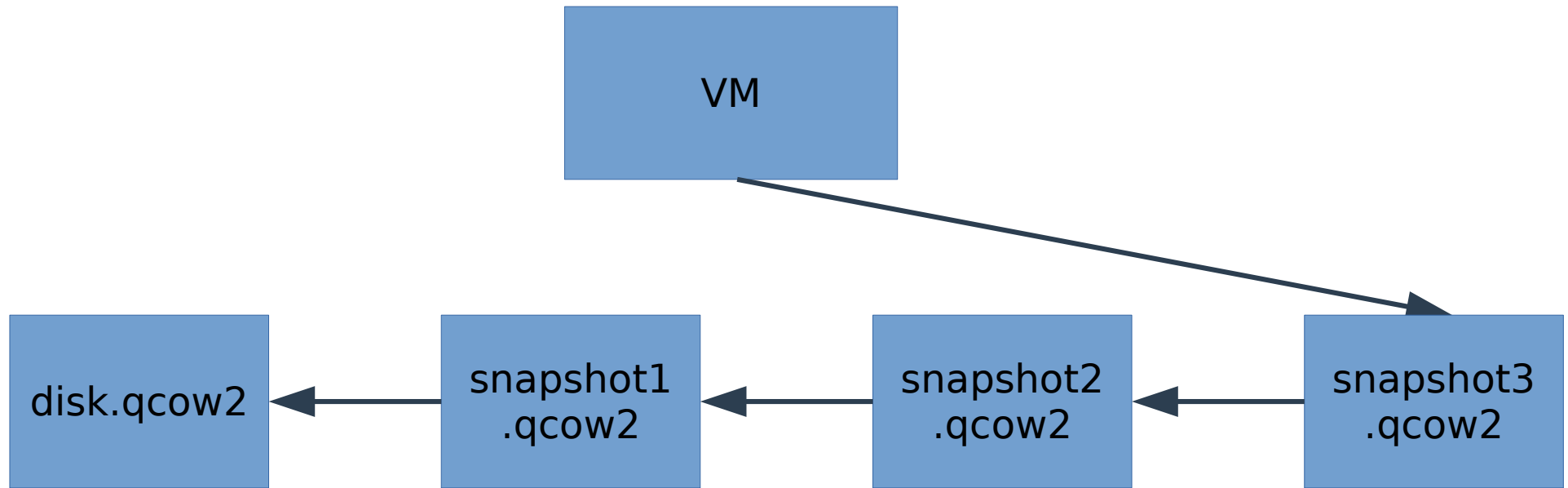
disk.qcow2

R

snapshot .qcow2

(This is the actual snapshot)
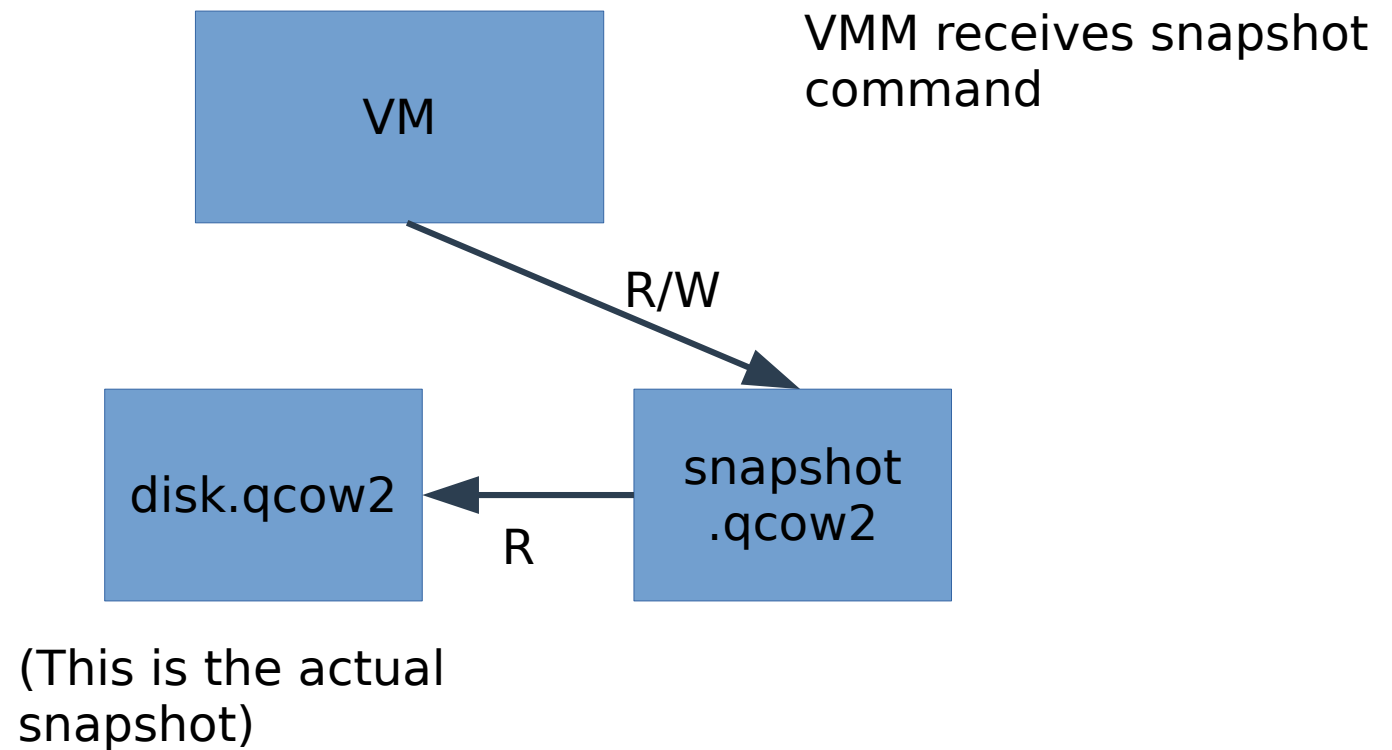
Disk Snapshots

Optionally need agent in the guest to freeze filesystem before snapshot

```
Guest           Manager                      QEMU
-------         --------                     -------
   |               |                            |
   |               |                            |
   | <<- freeze ---o                            |
   |               |                            |
   |               o--- snapshot_blkdev  --->>  |
   |               |                            |
   | <<- thaw -----o                            |
   |               |                            |
   |               |                            |
   |               |                            |
   =               =                            =
```

Streaming

Streaming

Flatten, can be done live
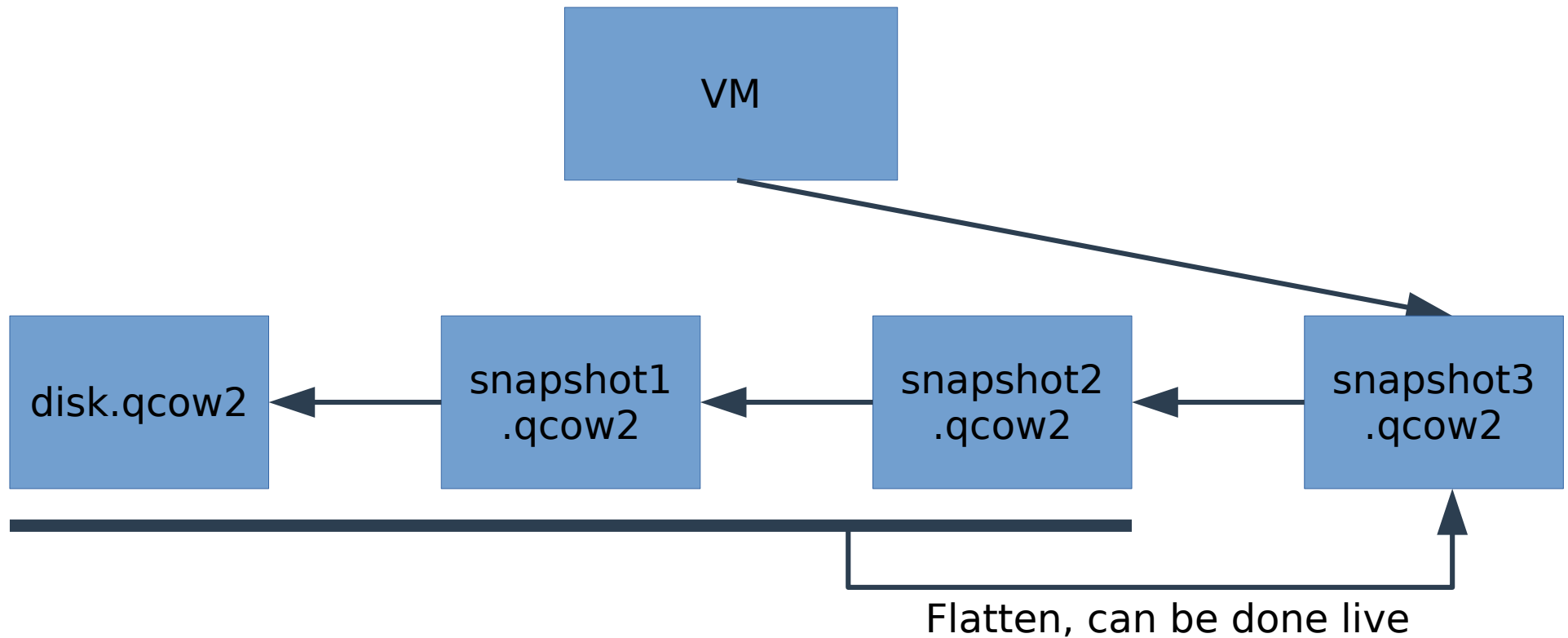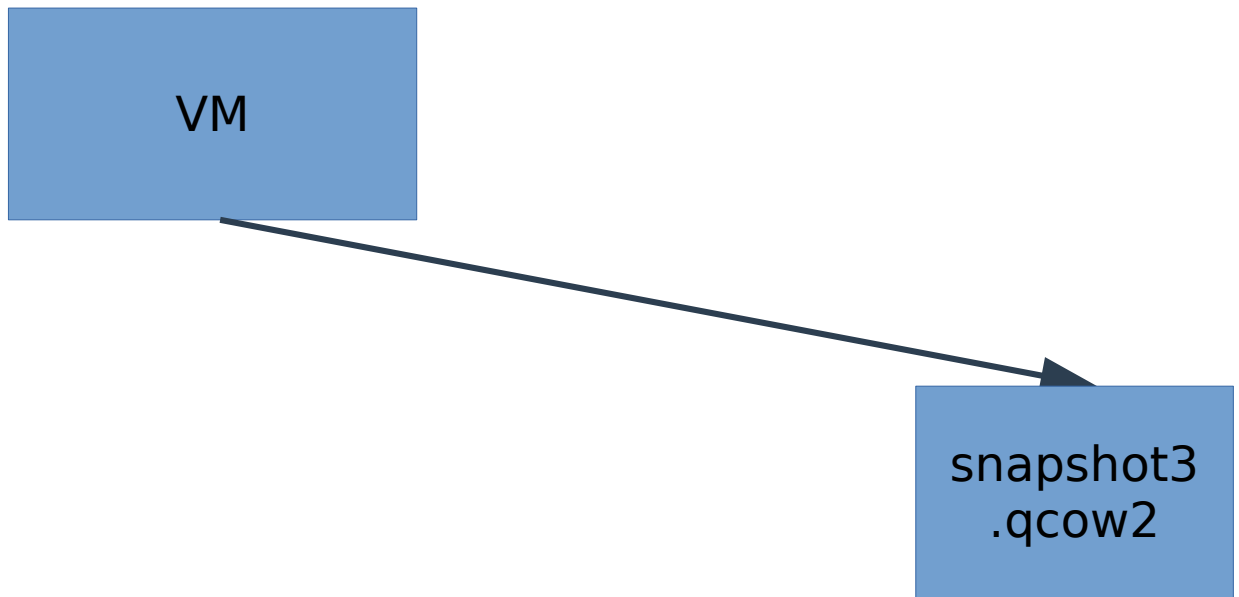
Streaming

experiment

- Run Fio in guest

- Snapshot at regular intervals

- Stream at regular intervals

- Need to ask outscale for parameters to make that realistic

experiment

Bandwidth benchmark with 1 fio results Blocksize = 0K