

```

Total time run:          10.1406
Total writes made:       715
Write size:              4194304
Object size:             4194304
Bandwidth (MB/sec):      282.035
Stddev Bandwidth:        32.1911
Max bandwidth (MB/sec):  328
Min bandwidth (MB/sec):  224
Average IOPS:            70
Stddev IOPS:             8.04777
Max IOPS:                82
Min IOPS:                56
Average Latency(s):      0.225574
Stddev Latency(s):       0.105867
Max latency(s):          0.746961
Min latency(s):          0.0425166

```

The RBD bench command

The RBD bench measures I/O throughput and latency on an existing image, which you created for the test.

These are the default values:

- If you do not give a suffix to the size arguments, the command assumes bytes as the unit.
- The default pool name is `rbd`.
- The default for `--io-size` is 4096 bytes.
- The default for `--io-threads` is 16.
- The default for `--io-total` is 1 GB.
- The default for `--io-pattern` is `seq` for sequential.

For example, information is provided by the `rbd bench` command, including throughput and latency:

```

[ceph: root@server /]# rbd bench --io-type write testimage --pool=testbench
bench type write io_size 4096 io_threads 16 bytes 1073741824 pattern sequential
SEC      OPS      OPS/SEC  BYTES/SEC
  1      47360    46952.6   183 MiB/s
  2      88864    44461.5   174 MiB/s
  3     138016    46025.2   180 MiB/s
  4     178128    44546.4   174 MiB/s
  5     225264    45064.3   176 MiB/s
elapsed: 5   ops: 262144   ops/sec: 45274.6   bytes/sec: 177 MiB/s

```



References

`sysctl(8)`, `ceph(8)`, `rados(8)`, and `rbd(8)` man pages

For more information, refer to the *Ceph performance benchmark* chapter in the *Red Hat Ceph Administration Guide* at

https://access.redhat.com/documentation/en-us/red_hat_ceph_storage/5/html-single/administration_guide/index#ceph-performance-benchmarking