Chapter 12 | Tuning and Troubleshooting Red Hat Ceph Storage

Total time run: 10.1406 715 Total writes made: 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: Stddev IOPS: 8.04777 Max IOPS: 82 Min IOPS: Average Latency(s): 0.225574 Stddev Latency(s): 0.105867 Max latency(s): 0.746961 Min latency(s): 0.0425166

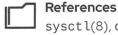
The RBD bench command

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:



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