

Performance Report for cbt-20thFeb-main-8vol-finegrain-cacheon- rbdoff-allappends

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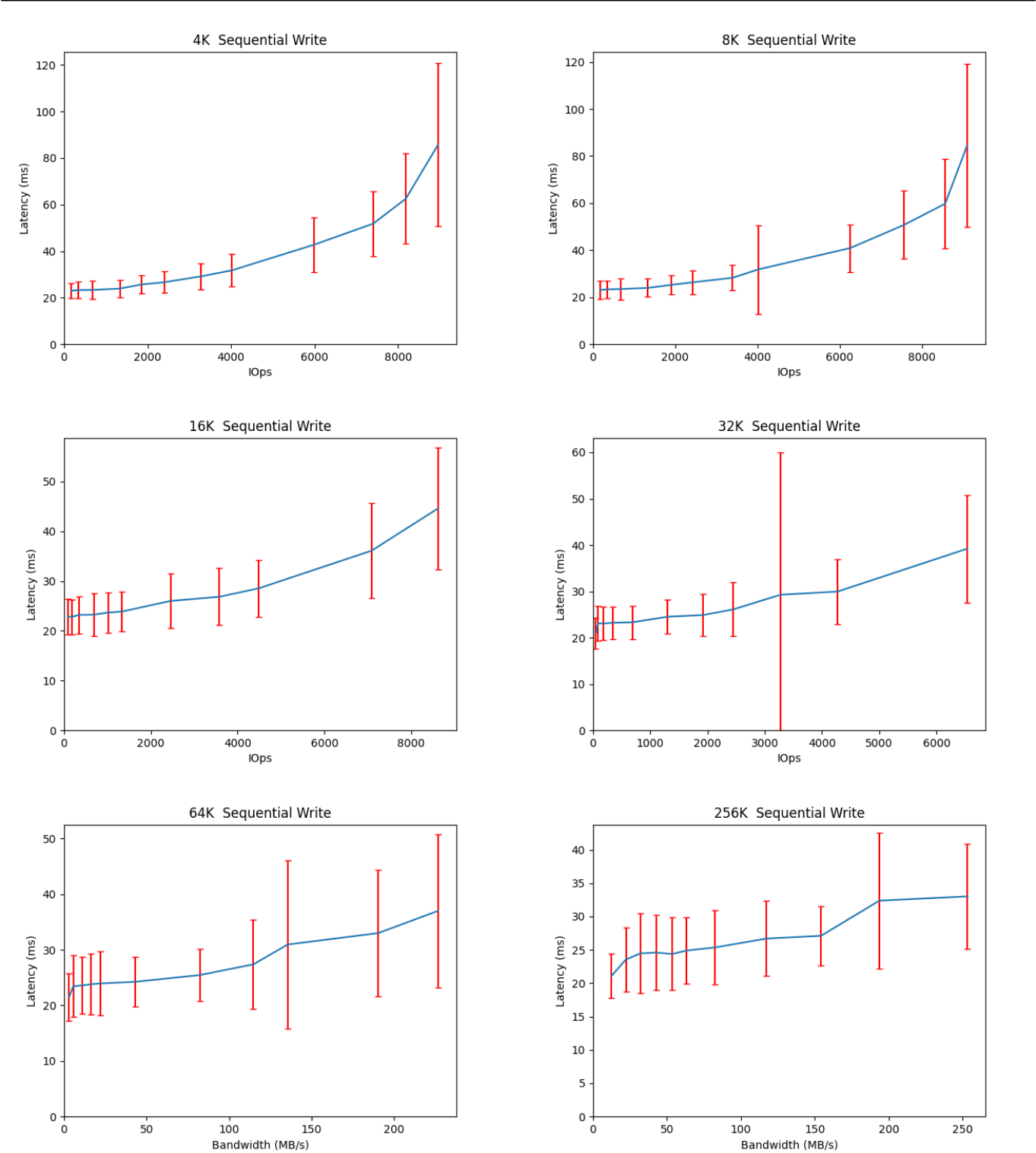
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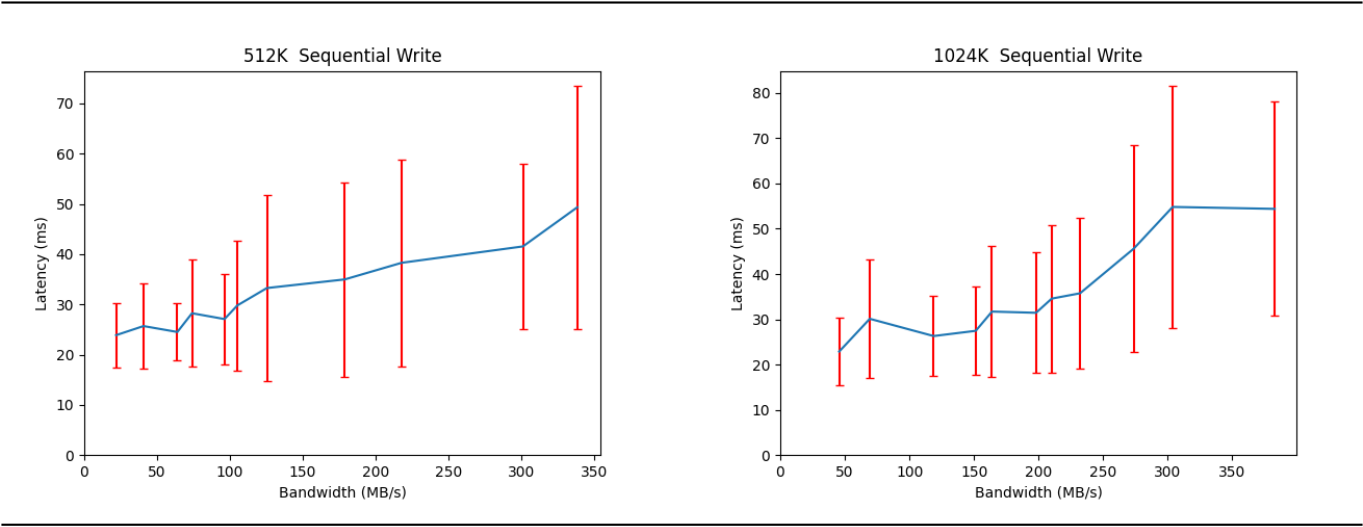
Summary of results for cbt-20thFeb-main-8vol-finegrain-cacheon-rbdoff-allappends

Workload Name	Maximum Throughput	Latency (ms)
4096B_write	8959 IOps	85.7
8192B_write	9096 IOps	84.4
16384B_write	8613 IOps	44.6
32768B_write	6530 IOps	39.2
65536B_write	227 MB/s	37.0
262144B_write	253 MB/s	33.0
524288B_write	339 MB/s	49.3
1048576B_write	383 MB/s	54.4

Response Curves

Sequential Write





Configuration yaml

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librbd fio:
  cmd_path: /usr/local/bin/fio
  fio_out_format: json
  log_avg_msec: 100
  log_bw: true
  log_iops: true
  log_lat: true
  norandommap: true
  osd_ra:
    - 4096
  poolname: rbd_replicated
  prefill:
    blocksize: 64k
    numjobs: 1
  procs_per_volume:
    - 1
  ramp: 30
  time: 90
  time_based: true
  use_existing_volumes: true
  vol_size: 1000
  volumes_per_client:
    - 8
  workloads:
    64kseqwriteappend:
      jobname: write
      mode: write
      numjobs:
        - 1
      op_size: 65536
      pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
      total_iodepth:
        - 1
        - 2
        - 4
        - 6
        - 8
        - 16
        - 32
        - 48
        - 64
        - 96
        - 128
    seq16kwriteappend:
      jobname: seqwrite
      mode: write
      numjobs:
        - 1
      op_size: 16384
      pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
      total_iodepth:

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- 2
- 4
- 8
- 16
- 24
- 32
- 64
- 96
- 128
- 256
- 384
seq1Mwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 1048576
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 12
    - 16
    - 20
seq256kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 262144
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 8
    - 12
    - 16
    - 24
    - 32
seq32kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 32768
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 1
    - 2
    - 4
    - 8
    - 16
    - 32

```

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- 48
- 64
- 96
- 128
- 256
seq4kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 4096
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 4
    - 8
    - 16
    - 32
    - 48
    - 64
    - 96
    - 128
    - 256
    - 384
    - 512
    - 768
seq512kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 524288
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 8
    - 12
    - 16
    - 24
    - 32
seq8kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 8192
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 4
    - 8
    - 16
    - 32
    - 48
    - 64
    - 96
    - 128
    - 256
    - 384
    - 512

```



```

- 768
cluster:
  archive_dir: /tmp/cbt
  ceph-mgr_cmd: /usr/bin/ceph-mgr
  ceph-mon_cmd: /usr/bin/ceph-mon
  ceph-osd_cmd: /usr/bin/ceph-osd
  ceph-run_cmd: /usr/bin/ceph-run
  ceph_cmd: /usr/bin/ceph
  clients:
    - --- server1 ---
  clusterid: ceph
  conf_file: /cbt/ceph.conf.4x1x1.fs
  fs: xfs
  head: --- server1 ---
  iterations: 1
  mgrs:
    --- server1 ---:
      a: null
  mkfs_opts: -f -i size=2048
  mons:
    --- server1 ---:
      a: --- IP Address --:6789
  mount_opts: -o inode64,noatime,logbsize=256k
  osds:
    - --- server1 ---
  osds_per_node: 6
  pdsh_ssh_args: -a -x -l%u %h
  rados_cmd: /usr/bin/rados
  rbd_cmd: /usr/bin/rbd
  tmp_dir: /tmp/cbt
  use_existing: true
  user: root
monitoring_profiles:
  collectl:
    args: -c 18 -sCD -i 10 -P -oz -F0 --rawtoo --sep ";" -f {collectl_dir}

```