Performance Report for cbt-16thSep-o01-4+2-16k-ecopt2-appends

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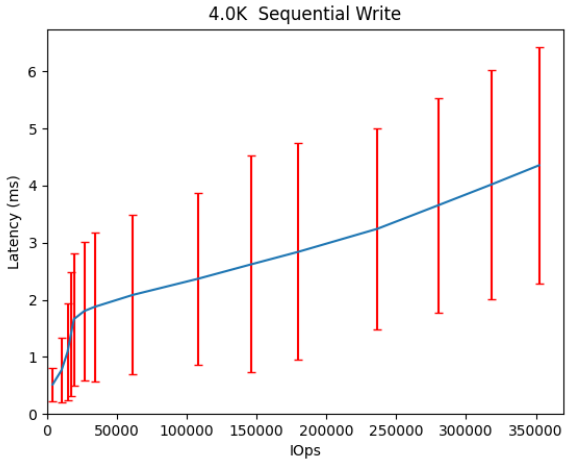
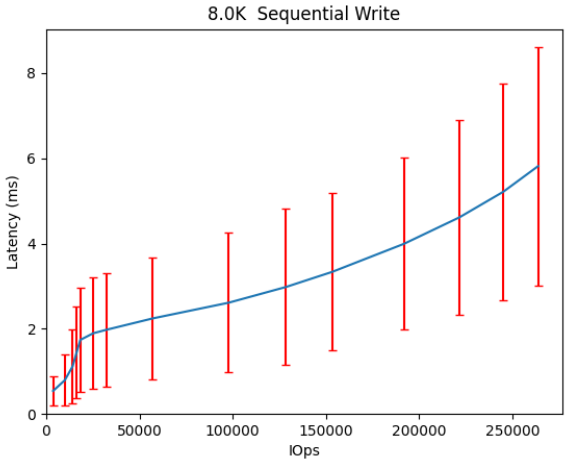
Summary of results for cbt-16thSep-o01-4+2-16k-ecopt2-appends

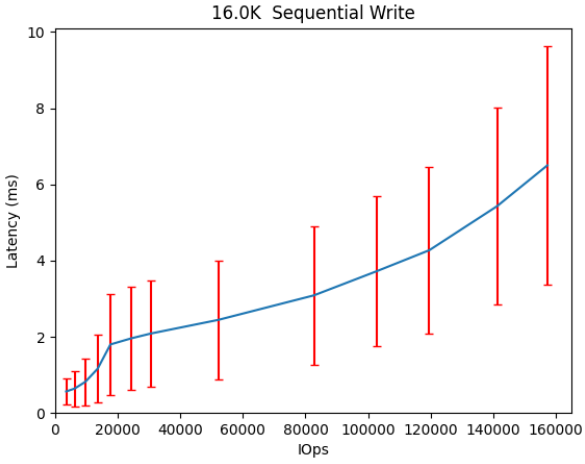
Workload Name	Maximum Throughput	Latency (ms)
4096_write	352285 IOps	4.4
8192_write	263768 IOps	5.8
16384_write	157301 IOps	6.5
32768_write	92758 IOps	8.3
65536_write	3366 MB/s	9.9
262144_write	3919 MB/s	17.0
524288_write	4246 MB/s	19.5
1048576_write	4695 MB/s	35.2

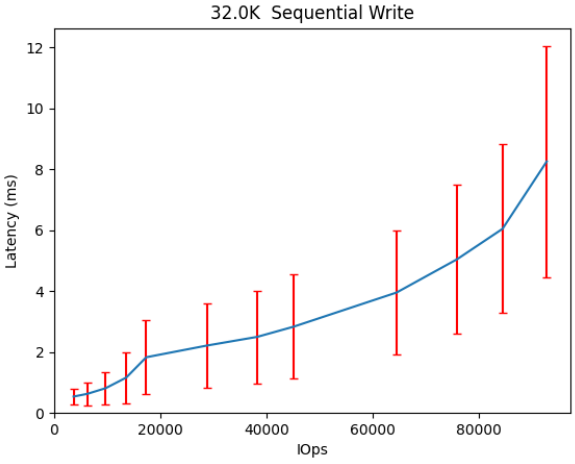
Response Curves

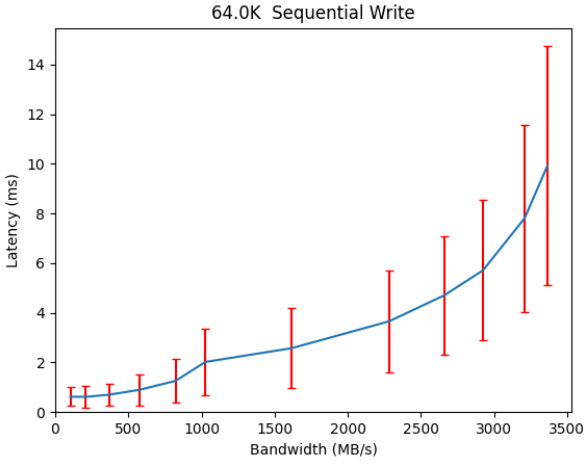
Sequential Write

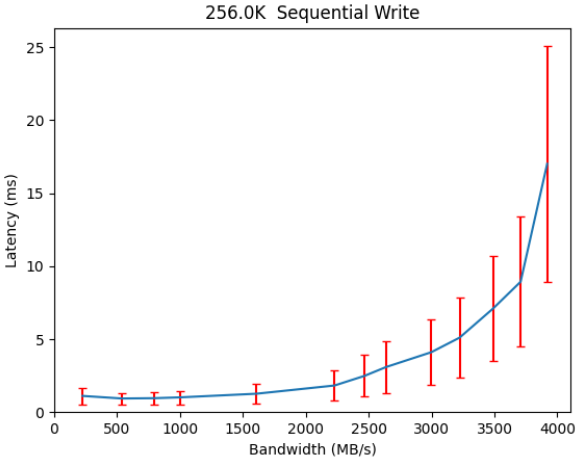


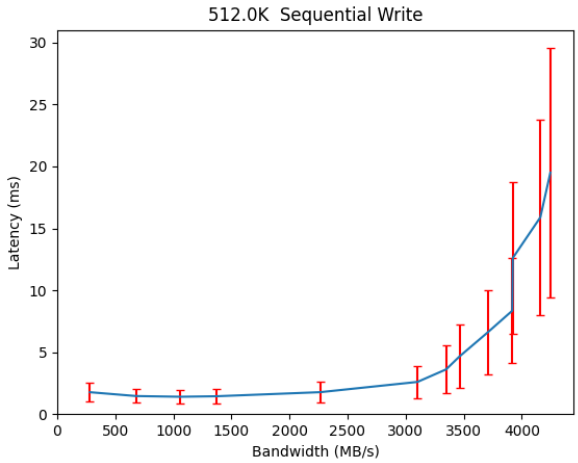


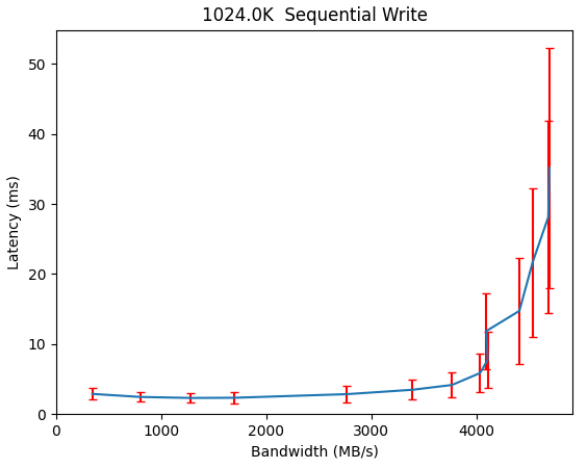









512.0K Sequential Write
Latency (ms)
Bandwidth (MB/s)
0
5
10
15
20
25
30
0
500
1000
1500
2000
2500
3000
3500
4000


1024.0K Sequential Write
Latency (ms)
Bandwidth (MB/s)
0
10
20
30
40
50
0
1000
2000
3000
4000

Configuration yaml

```
librbdfio:
  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
  rbdname: cbt-librbdfio
  time: 90
  time_based: true
  use_existing_volumes: true
  vol_size: 1000
  volumes_per_client:
  - 16
  workloads:
    64kseqwriteappend:
      jobname: write
      mode: write
      numjobs:
      - 1
      op_size: 65536
      pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
      total_iodepth:
      - 1
      - 2
      - 4
      - 8
      - 16
      - 32
      - 64
      - 128
      - 192
      - 256
      - 384
      - 512
    seq16kwriteappend:
      jobname: seqwrite
      mode: write
      numjobs:
      - 1
      op_size: 16384
```

```
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 2
    - 4
    - 8
    - 16
    - 32
    - 48
    - 64
    - 128
    - 256
    - 384
    - 512
    - 768
    - 1024
  seq1Mwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
    op_size: 1048576
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 8
    - 12
    - 16
    - 24
    - 32
    - 48
    - 64
    - 96
    - 128
    - 160
  seq256kwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
    op_size: 262144
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 8
    - 16
    - 24
    - 32
    - 48
    - 64
    - 96
    - 128
    - 256
  seq32kwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
```

```
    op_size: 32768
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 2
    - 4
    - 8
    - 16
    - 32
    - 64
    - 96
    - 128
    - 256
    - 384
    - 512
    - 768
  seq4kwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
    op_size: 4096
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 2
    - 8
    - 16
    - 24
    - 32
    - 48
    - 64
    - 128
    - 256
    - 384
    - 512
    - 768
    - 1024
    - 1280
    - 1536
  seq512kwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
    op_size: 524288
    pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
    total_iodepth:
    - 1
    - 2
    - 3
    - 4
    - 8
    - 16
    - 24
    - 32
    - 48
    - 64
    - 96
    - 128
    - 160
  seq8kwriteappend:
    jobname: seqwrite
    mode: write
    numjobs:
```

```
        - 1
        op_size: 8192
        pre_workload_script: sudo /home/ljsanders/scripts/mkdelvols.cbt
        total_iodepth:
        - 2
        - 8
        - 16
        - 24
        - 32
        - 48
        - 64
        - 128
        - 256
        - 384
        - 512
        - 768
        - 1024
        - 1280
        - 1536
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: /etc/ceph/ceph.conf
  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: 8
  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: ljsanders
monitoring_profiles:
  collectl:
    args: -c 18 -sCD -i 10 -P -oz -F0 --rawtoo --sep ";" -f {collectl_dir}
```