

Comparitive Performance Report for cbt-6thMar-ecoptmain-4k-8vol-cacheon- rbdoff-appends vs cbt-6thMar-ecoptmain-4k-8vol-cacheon- rbdoff-isal-appends

Table of contents

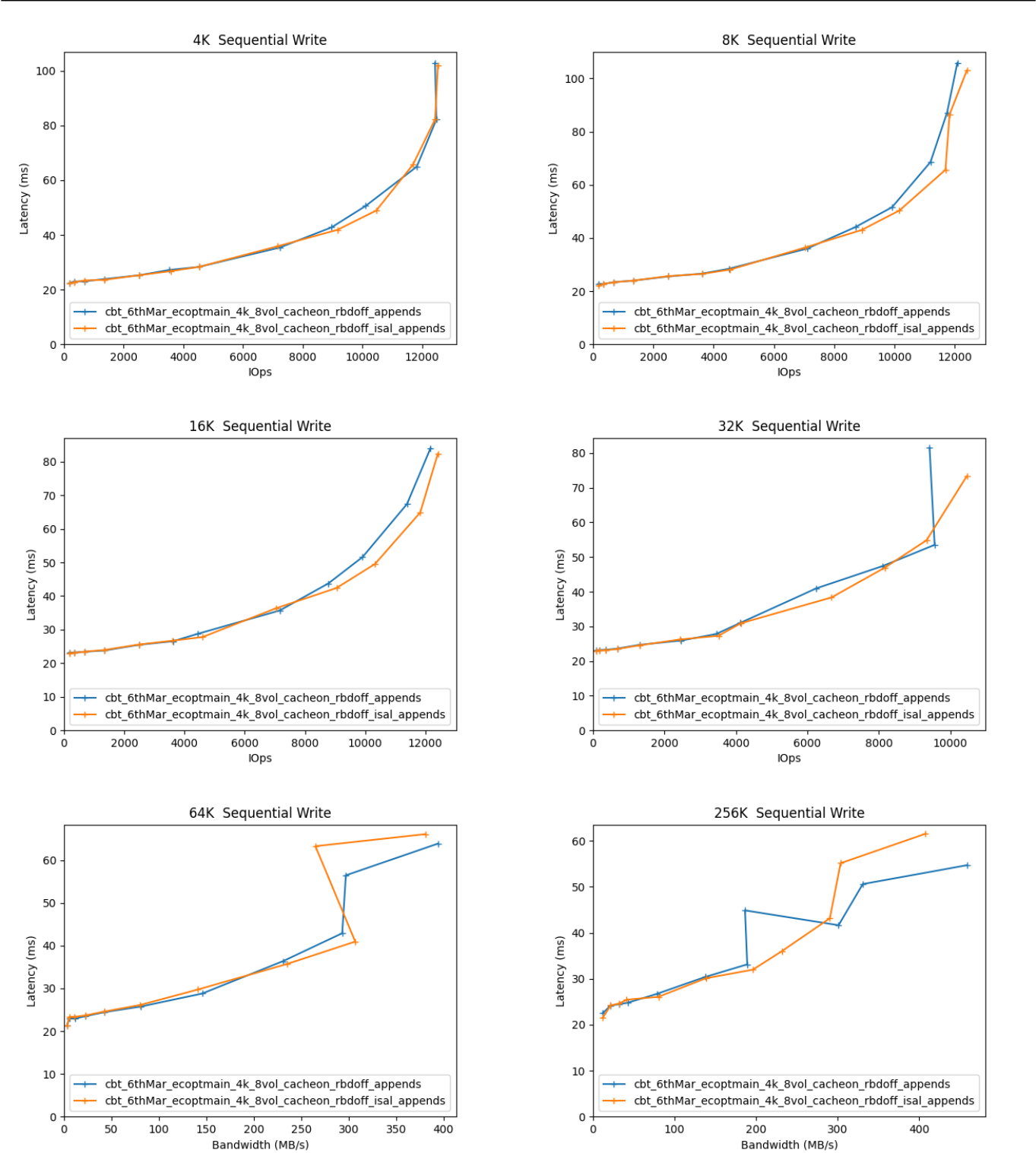
- Comparison summary for cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-appends vs cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-isal-appends
- Response Curves
 - Sequential Write
- Configuration yaml files
 - results

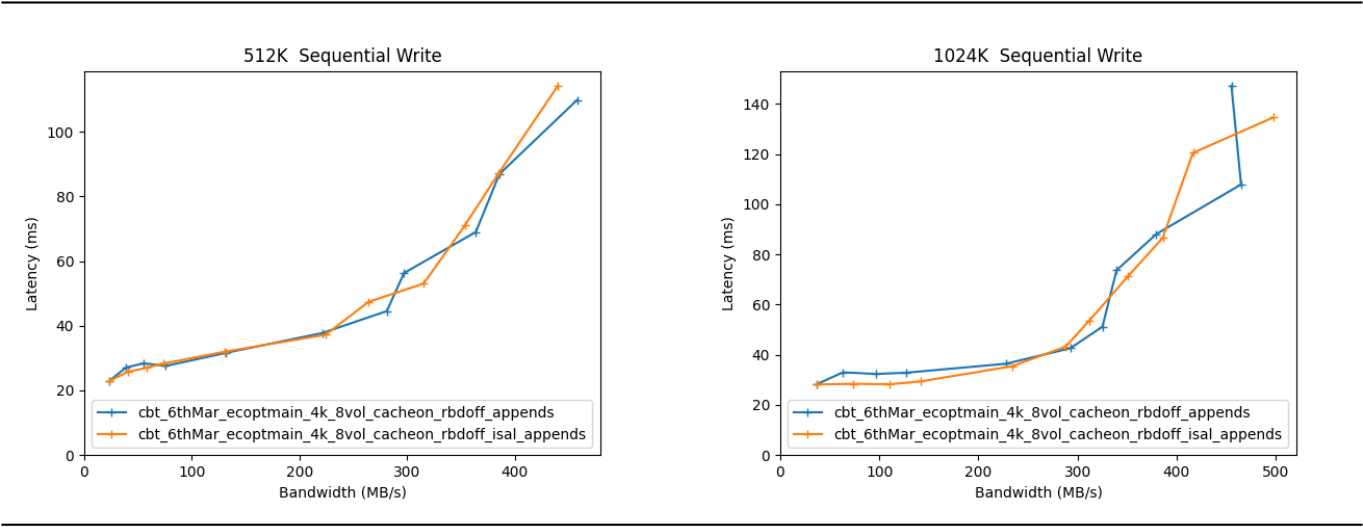
Comparison summary for cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-appends vs cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-isal-appends

Sequential Write	cbt_6thMar_ecoptmain-4k-8vol-cacheon-rbdoff-appends	cbt_6thMar_ecoptmain-4k-8vol-cacheon-rbdoff-isal-appends	Change	Efficiency
4K	12481 IOps@82.1ms	12533 IOps@102.0ms	0%	24%
8K	12090 IOps@105.9ms	12409 IOps@103.1ms	3%	-3%
16K	12173 IOps@84.1ms	12417 IOps@82.4ms	2%	-2%
32K	9559 IOps@53.5ms	10461 IOps@73.4ms	9%	37%
64K	394 MB/s@63.9ms	381 MB/s@66.1ms	-3%	3%
256K	459 MB/s@54.7ms	408 MB/s@61.6ms	-11%	13%
512K	458 MB/s@109.8ms	440 MB/s@114.2ms	-4%	4%
1024K	465 MB/s@107.9ms	498 MB/s@134.6ms	7%	25%

Response Curves

Sequential Write





Configuration yaml files

Only yaml files that differ by more than 20 lines from the yaml file for the baseline directory will be added here in addition to the baseline yaml

results

```

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
  time: 60
  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
        - 8
        - 16
        - 32
        - 64
        - 128
        - 192
        - 256
        - 384
    seq16kwriteappend:
      jobname: seqwrite
      mode: write
      numjobs:
        - 1
      op_size: 16384
      pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
      total_iodepth:
        - 4
        - 8
        - 16
        - 32
        - 64
        - 96
        - 128
        - 256
        - 384
        - 512

```

```

- 768
- 1024
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
    - 8
    - 12
    - 16
    - 24
    - 32
    - 48
    - 64
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
    - 8
    - 16
    - 24
    - 32
    - 48
    - 64
    - 96
seq32kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 32768
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 2
    - 4
    - 8
    - 16
    - 32
    - 64
    - 96
    - 128
    - 256
    - 384
    - 512
    - 768
seq4kwriteappend:
  jobname: seqwrite
  mode: write

```



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  numjobs:
  - 1
  op_size: 4096
  pre_workload_script: /cbt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
  - 4
  - 8
  - 16
  - 32
  - 64
  - 96
  - 128
  - 256
  - 384
  - 512
  - 768
  - 1024
  - 1280
seq512kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
  - 1
  op_size: 524288
  pre_workload_script: /cbt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
  - 1
  - 2
  - 3
  - 4
  - 8
  - 16
  - 24
  - 32
  - 48
  - 64
  - 96
seq8kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
  - 1
  op_size: 8192
  pre_workload_script: /cbt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
  - 4
  - 8
  - 16
  - 32
  - 64
  - 96
  - 128
  - 256
  - 384
  - 512
  - 768
  - 1024
  - 1280
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

```



```

- 2
- 4
- 8
- 16
- 32
- 64
- 128
- 192
- 256
- 384
seq16kwriteappend:
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 16384
  pre_workload_script: /cvt.lee/tools/setup_cluster/mkdelvols.cbt
  total_iodepth:
    - 4
    - 8
    - 16
    - 32
    - 64
    - 96
    - 128
    - 256
    - 384
    - 512
    - 768
    - 1024
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
    - 8
    - 12
    - 16
    - 24
    - 32
    - 48
    - 64
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
    - 8
    - 16

```

cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-appends vs12bt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-f5sdha6p2025

cbt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-appends vs13bt-6thMar-ecoptmain-4k-8vol-cacheon-rbdoff-appends 14Mar-6p2025