

# Comparitive Performance Report for cbt-27thJan-main-4k-8vol-reverse vs cbt-26thJan-alexsl17-ecoff-4k-8vol-reverse vs cbt-25thJan-alexsl17-econ-4k-8vol-reverse

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Comparison summary for  
cbt-27thJan-main-4k-8vol-reverse vs  
cbt-26thJan-alexsls17-ecoff-4k-8vol-reverse  
vs  
cbt-25thJan-alexsls17-econ-4k-8vol-reverse

| Sequential Read | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|-----------------|----------------------------------|---|---------|--|---------|
| 4K              | 65484@1.7ms                      | 65169@2.0                                   | -0%     | 63406@2.0                                  | -3%     |
| 8K              | 39670@2.8ms                      | 39706@2.4                                   | 0%      | 38067@2.1                                  | -4%     |
| 16K             | 21930@2.5ms                      | 21881@2.6                                   | -0%     | 21321@2.6                                  | -3%     |
| 32K             | 17908@4.5ms                      | 17826@5.4                                   | -0%     | 17512@5.5                                  | -2%     |
| 64K             | 1085@9.7ms                       | 1089@9.6                                    | 0%      | 1078@9.7                                   | -1%     |
| 256K            | 1542@14.9ms                      | 1549@14.9                                   | 0%      | 1556@14.8                                  | 1%      |
| 512K            | 1573@29.3ms                      | 1575@29.3                                   | 0%      | 1573@29.3                                  | 0%      |
| 1024K           | 1581@58.4ms                      | 1581@58.4                                   | 0%      | 1578@58.5                                  | -0%     |

| Sequential Write | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|------------------|----------------------------------|---|---------|--|---------|
| 4K               | 4153@38.5ms                      | 4378@36.5                                   | 5%      | 6403@25.0                                  | 54%     |
| 8K               | 5451@29.3ms                      | 5313@30.1                                   | -3%     | 7979@20.0                                  | 46%     |
| 16K              | 7698@16.6ms                      | 7812@16.4                                   | 1%      | 6256@20.4                                  | -19%    |
| 32K              | 9709@13.1ms                      | 9547@13.4                                   | -2%     | 9468@13.5                                  | -2%     |
| 64K              | 228@27.6ms                       | 229@22.9                                    | 0%      | 218@24.0                                   | -4%     |
| 256K             | 409@51.2ms                       | 461@45.4                                    | 13%     | 394@58.5                                   | -4%     |
| 512K             | 462@26.9ms                       | 461@54.4                                    | -0%     | 458@82.2                                   | -1%     |
| 1024K            | 487@137.4ms                      | 484@121.0                                   | -1%     | 477@158.0                                  | -2%     |

| Random Read | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|-------------|----------------------------------|---|---------|--|---------|
| 4K          | 79354@4.8ms                      | 79253@4.8                                   | -0%     | 78012@4.9                                  | -2%     |
| 8K          | 52401@7.3ms                      | 52357@7.3                                   | -0%     | 50544@7.6                                  | -4%     |
| 16K         | 31035@12.4ms                     | 31781@6.0                                   | 2%      | 30757@8.3                                  | -1%     |
| 32K         | 28279@5.6ms                      | 28973@5.5                                   | 2%      | 28281@4.5                                  | 0%      |
| 64K         | 1524@4.1ms                       | 1554@5.4                                    | 2%      | 1538@5.4                                   | 1%      |
| 256K        | 1682@5.0ms                       | 1686@7.5                                    | 0%      | 1685@8.7                                   | 0%      |
| 512K        | 1678@15.0ms                      | 1683@12.5                                   | 0%      | 1677@15.0                                  | -0%     |
| 1024K       | 1695@24.7ms                      | 1696@24.7                                   | 0%      | 1692@19.8                                  | -0%     |

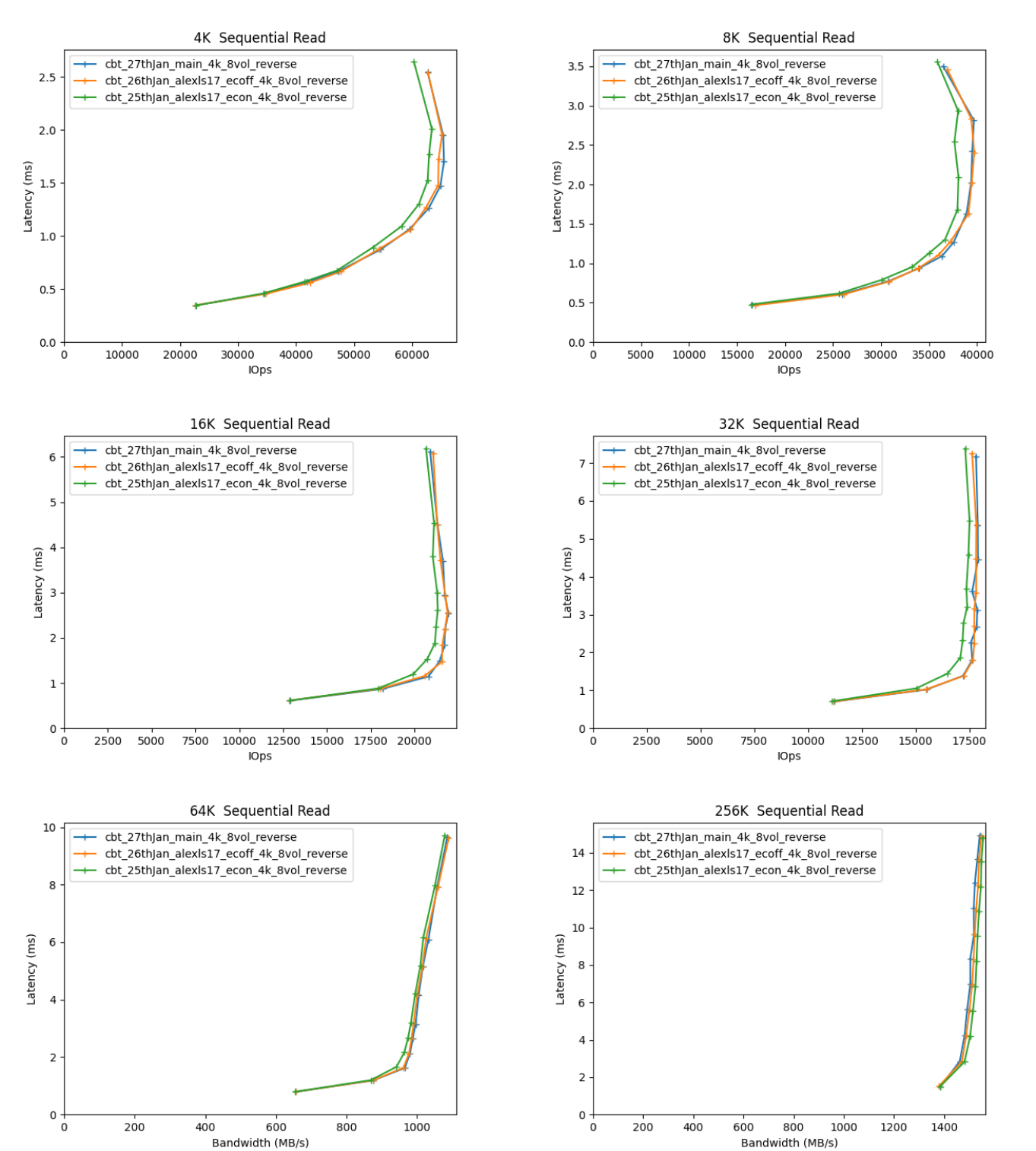
| Random Write | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|--------------|----------------------------------|---|---------|--|---------|
| 4K           | 3071@41.6ms                      | 3077@41.6                                   | 0%      | 5448@11.7                                  | 77%     |
| 8K           | 2741@46.7ms                      | 2889@44.3                                   | 5%      | 5182@15.4                                  | 89%     |
| 16K          | 5984@21.4ms                      | 5682@22.5                                   | -5%     | 5227@18.3                                  | -13%    |
| 32K          | 4218@30.3ms                      | 4028@31.7                                   | -5%     | 3676@26.1                                  | -13%    |

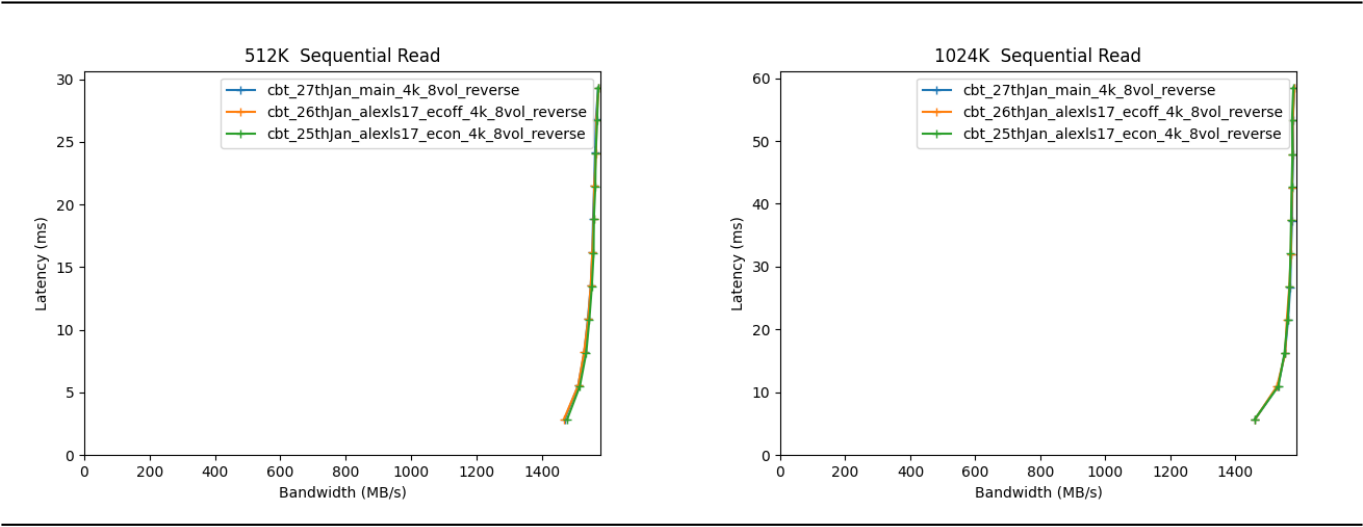
| Random Write | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|--------------|----------------------------------|---|---------|--|---------|
| 64K          | 232@36.2ms                       | 224@28.1                                    | -3%     | 184@45.4                                   | -21%    |
| 256K         | 427@29.3ms                       | 426@29.4                                    | -0%     | 394@15.8                                   | -8%     |
| 512K         | 466@98.9ms                       | 472@44.2                                    | 1%      | 464@99.1                                   | -0%     |
| 1024K        | 475@194.0ms                      | 484@190.6                                   | 2%      | 477@193.5                                  | 0%      |

| Random Read/Write | cbt_27thJan_main_4k_8vol_reverse | cbt_26thJan_alexsls17_ecoff_4k_8vol_reverse | %change | cbt_25thJan_alexsls17_econ_4k_8vol_reverse | %change |
|-------------------|----------------------------------|---|---------|--|---------|
| 16K_70/30         | 8006@8.0ms                       | 7737@8.3                                    | -3%     | 7935@8.1                                   | -1%     |
| 64K_70/30         | 331@15.8ms                       | 322@14.6                                    | -3%     | 295@16.0                                   | -11%    |
| 64K_30/70         | 226@20.8ms                       | 215@19.5                                    | -5%     | 233@13.5                                   | 3%      |

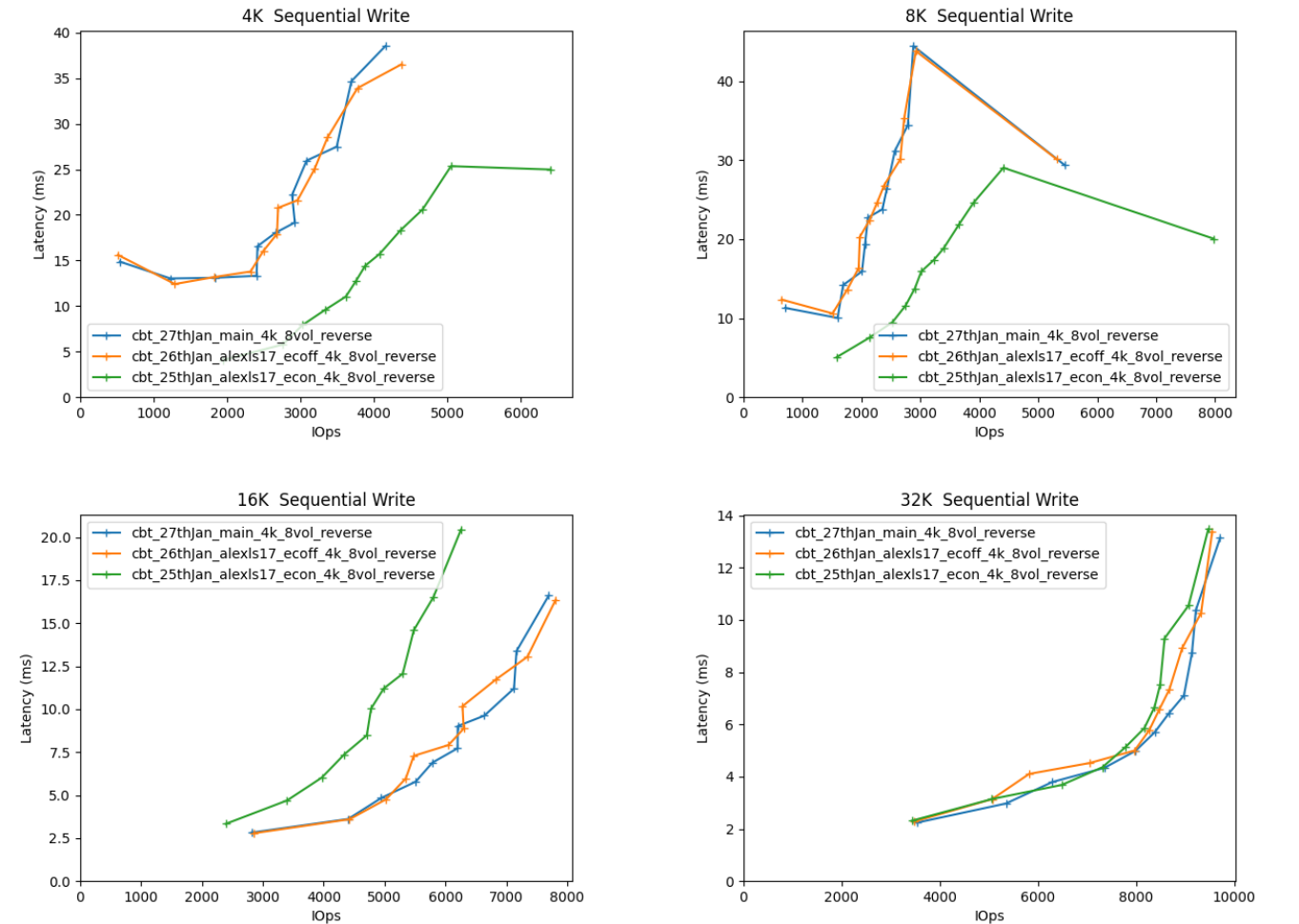
# Response Curves

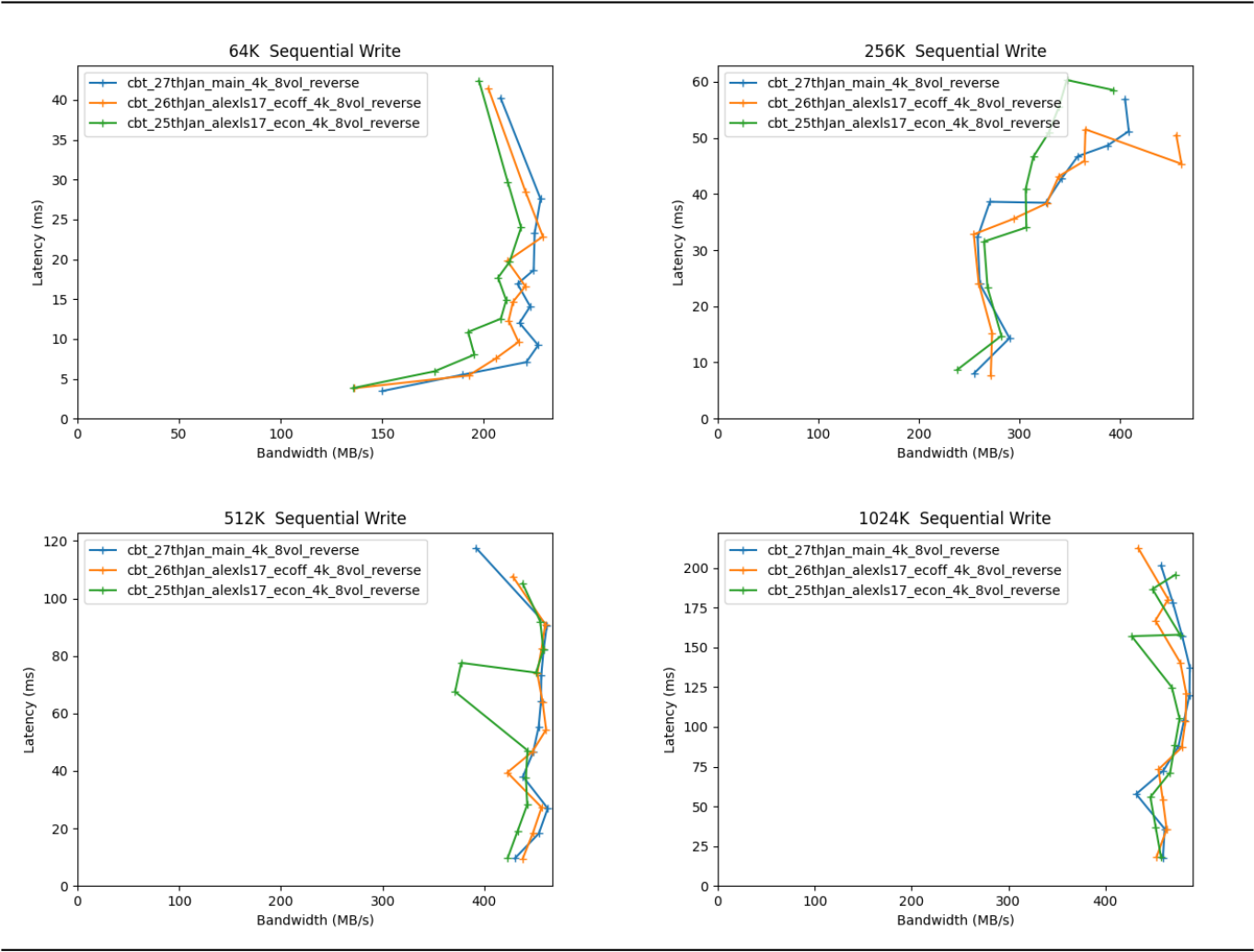
## Sequential Read



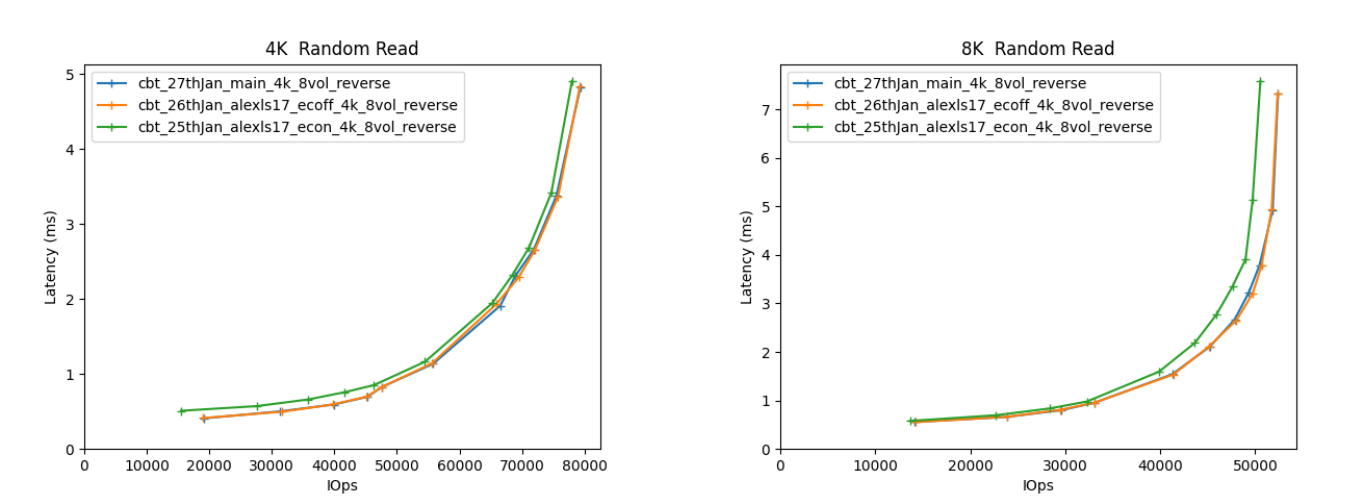


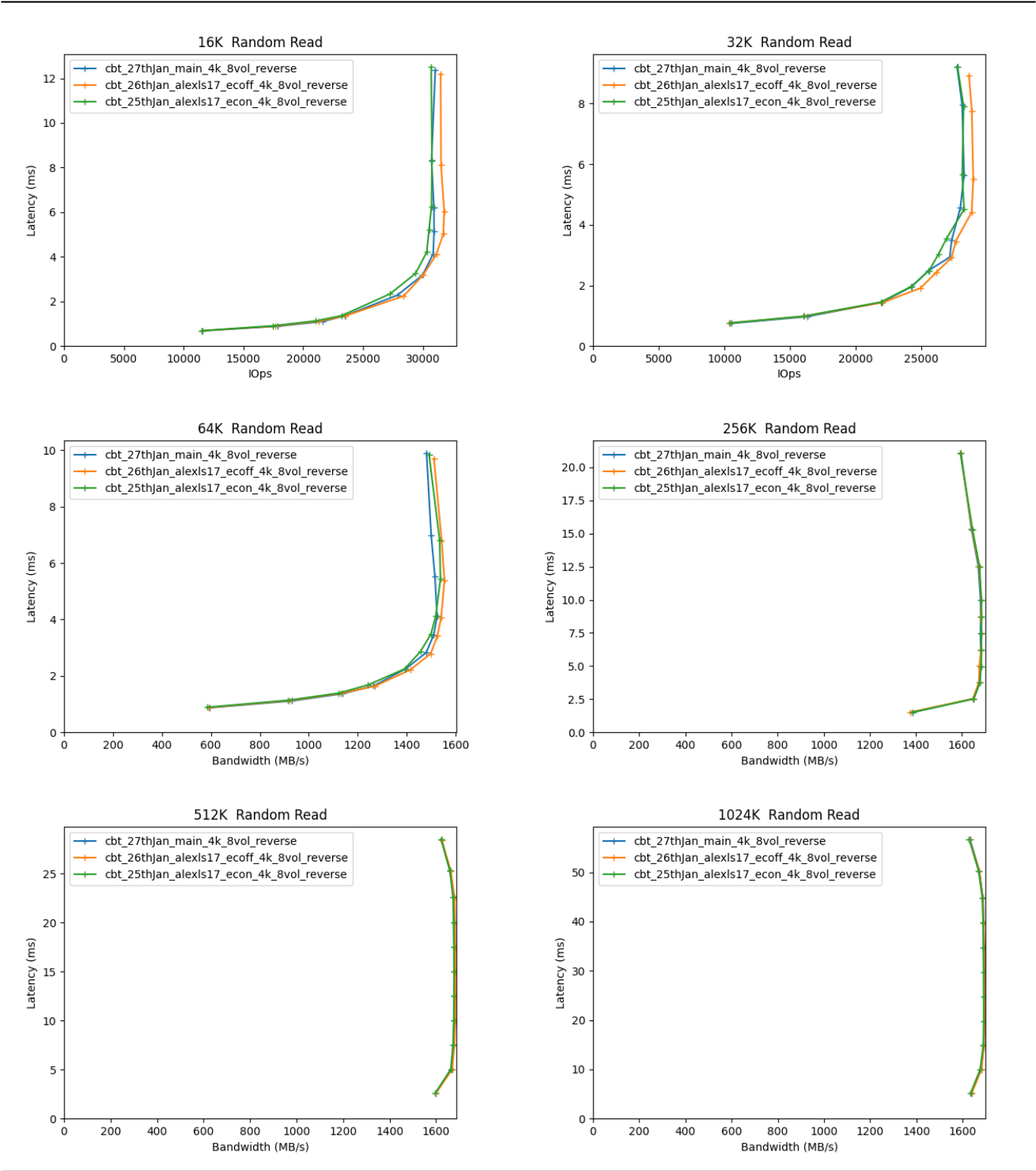
Sequential Write





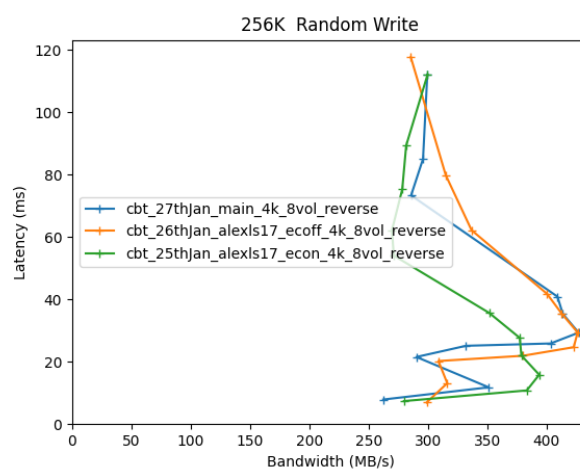
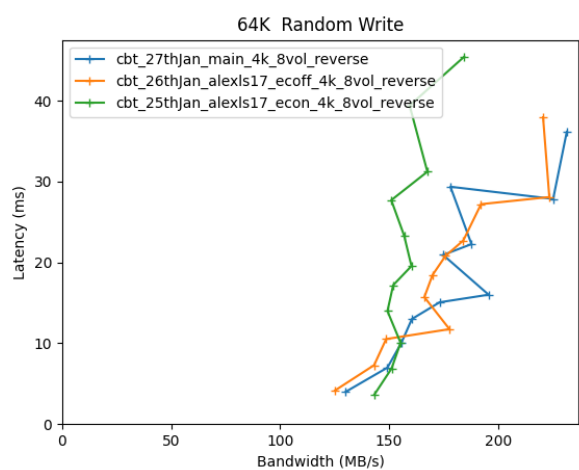
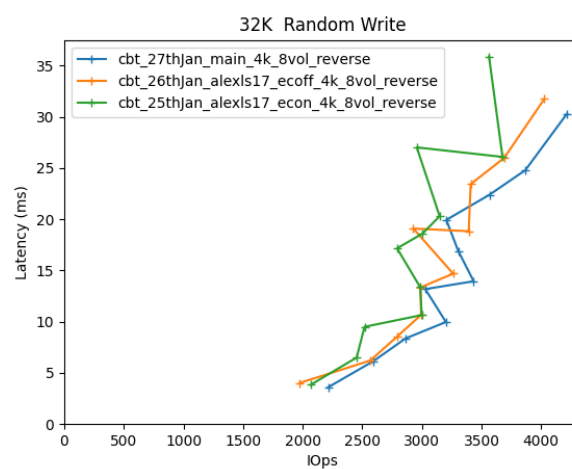
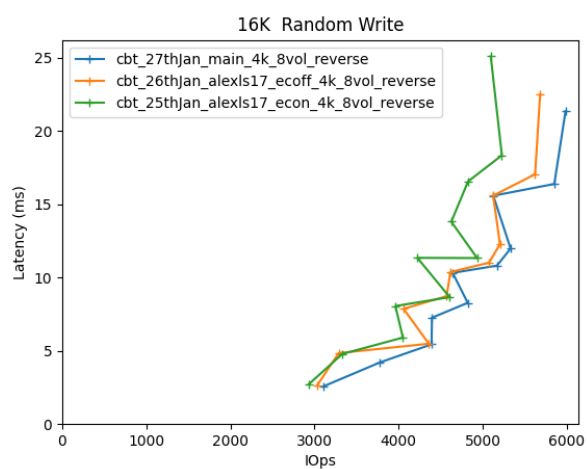
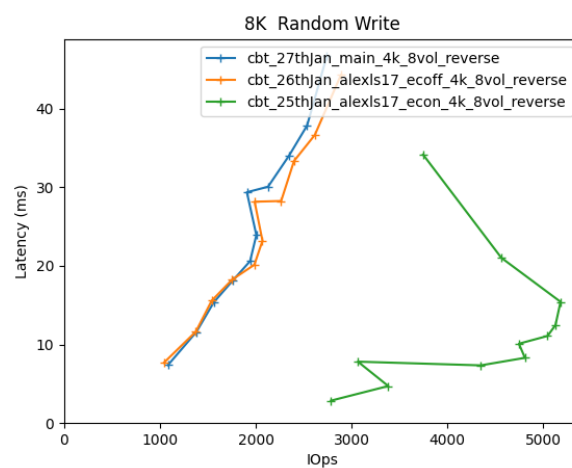
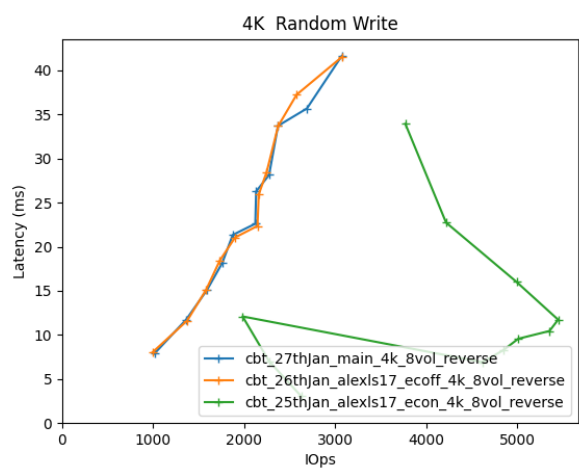
Random Read

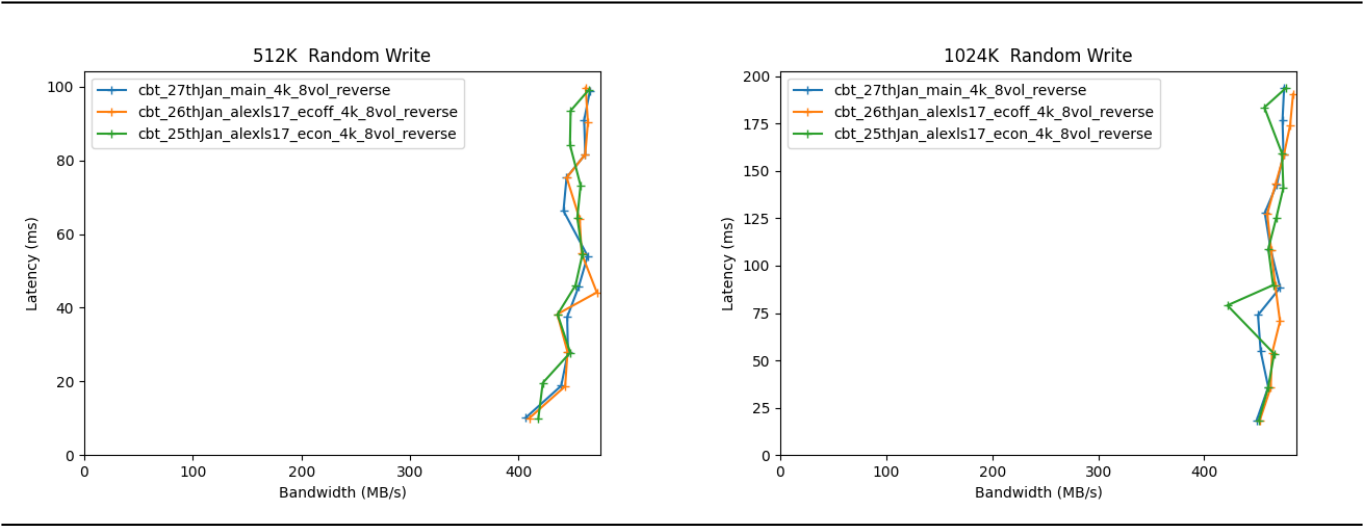




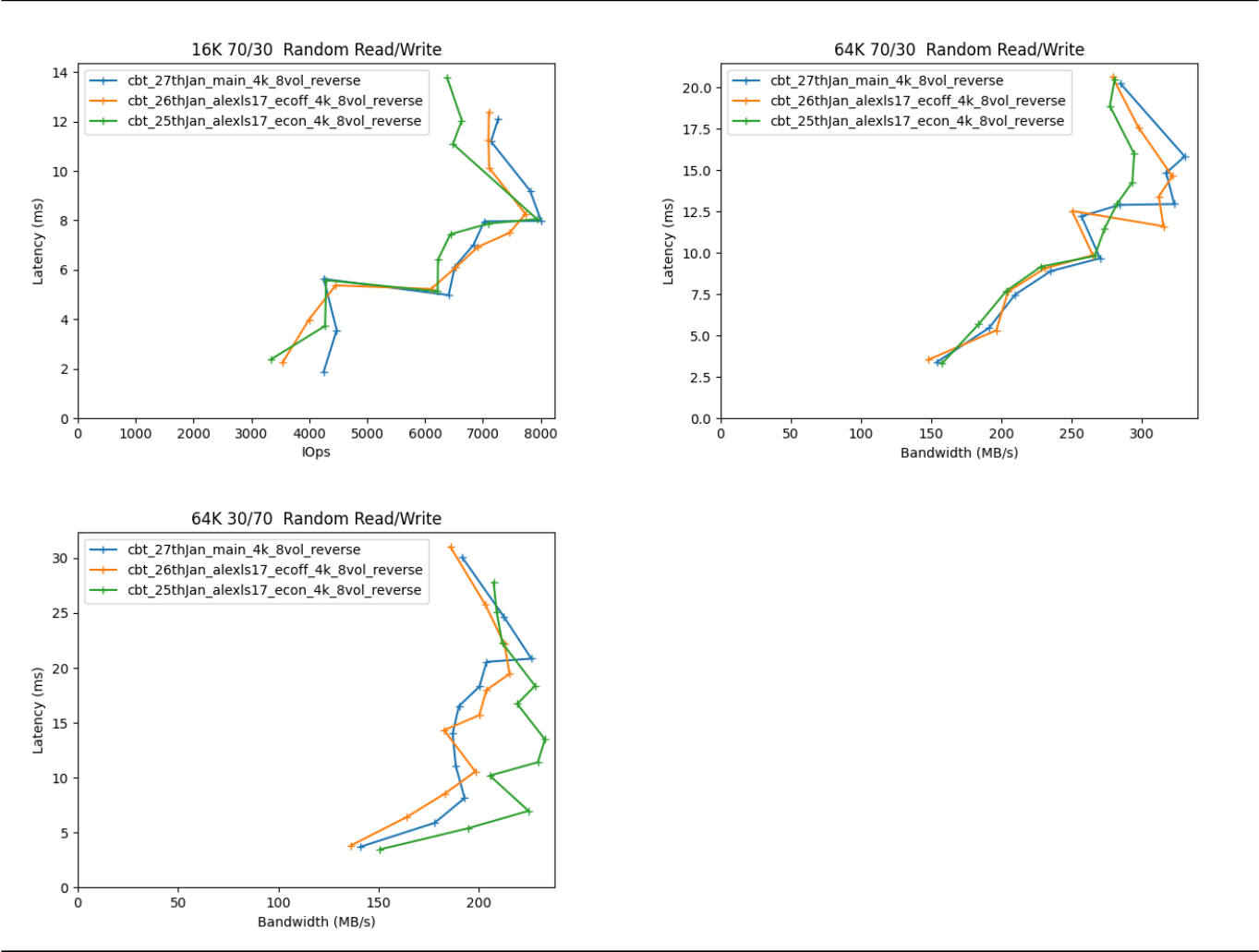
Random Write







Random Read/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
  precondition_time: 600
  prefill:
    blocksize: 64k
    numjobs: 1
  procs_per_volume:
    - 1
  ramp: 30
  time: 60
  time_based: true
  use_existing_volumes: true
  vol_size: 52500
  volumes_per_client:
    - 8
  workloads:
    16k7030:
      iodepth:
        - 11
        - 10
        - 9
        - 8
        - 7
        - 6
        - 5
        - 4
        - 3
        - 2
        - 1
      jobname: randmix
      mode: randrw
      numjobs:
        - 1
      op_size: 16384
      rwmixread: 70
    16krandomread:
      iodepth:
        - 48
        - 32
        - 24
        - 20
        - 16
        - 12
        - 8
        - 4
        - 3
        - 2
        - 1
      jobname: randread
      mode: randread
      numjobs:
        - 1

```

```

    op_size: 16384
16krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 16384
1Mrandomread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 1048576
1Mrandomwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 1048576
1Mseqread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6

```

```

- 5
- 4
- 3
- 2
- 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 1048576
1Mseqwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 1048576
256krandomread:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 262144
256krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1

```

```

    op_size: 262144
32krandomread:
  iodepth:
    - 32
    - 28
    - 20
    - 16
    - 12
    - 10
    - 8
    - 6
    - 4
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
    op_size: 32768
32krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
    op_size: 32768
4krandomread:
  iodepth:
    - 48
    - 32
    - 24
    - 20
    - 16
    - 8
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
    op_size: 4096
4krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6

```

```

- 5
- 4
- 3
- 2
- 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 4096
512krandomread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 524288
512krandomwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 524288
512kseqread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1

```



```

    op_size: 524288
512kseqwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
    op_size: 524288
64k3070:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randmix
  mode: randrw
  numjobs:
    - 1
    op_size: 65536
    rwmixread: 30
64k7030:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randmix
  mode: randrw
  numjobs:
    - 1
    op_size: 65536
    rwmixread: 70
64krandomread:
  iodepth:
    - 28
    - 20
    - 16
    - 12

```

```

- 10
- 8
- 6
- 4
- 3
- 2
- 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 65536
64krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 65536
64kseqread:
  iodepth:
    - 20
    - 16
    - 12
    - 10
    - 8
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: read
  mode: read
  numjobs:
    - 1
  op_size: 65536
64kseqwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: write
  mode: write

```

```

  numjobs:
  - 1
  op_size: 65536
8krandomread:
  iodepth:
  - 48
  - 32
  - 24
  - 20
  - 16
  - 12
  - 8
  - 4
  - 3
  - 2
  - 1
  jobname: randread
  mode: randread
  numjobs:
  - 1
  op_size: 8192
8krandomwrite:
  iodepth:
  - 16
  - 12
  - 10
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
  - 1
  op_size: 8192
precondition:
  iodepth:
  - 2
  jobname: precond1rw
  mode: randwrite
  monitor: false
  numjobs:
  - 1
  op_size: 65536
  precondition: true
seq16kread:
  iodepth:
  - 16
  - 12
  - 10
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: seqread

```

```

    mode: read
    numjobs:
      - 1
    op_size: 16384
  seq16kwrite:
    iodepth:
      - 16
      - 12
      - 10
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
    op_size: 16384
  seq256kread:
    iodepth:
      - 11
      - 10
      - 9
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqread
    mode: read
    numjobs:
      - 1
    op_size: 262144
  seq256kwrite:
    iodepth:
      - 11
      - 10
      - 9
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
    op_size: 262144
  seq32kread:
    iodepth:
      - 16
      - 12
      - 10

```

```

- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 32768
seq32kwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 32768
seq4kread:
  iodepth:
    - 20
    - 16
    - 14
    - 12
    - 10
    - 8
    - 6
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 4096
seq4kwrite:
  iodepth:
    - 20
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1

```

```

    jobname: seqwrite
    mode: write
    numjobs:
      - 1
    op_size: 4096
  seq8kread:
    iodepth:
      - 16
      - 14
      - 12
      - 10
      - 8
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqread
    mode: read
    numjobs:
      - 1
    op_size: 8192
  seq8kwrite:
    iodepth:
      - 20
      - 16
      - 12
      - 10
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
    op_size: 8192
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}
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
  precondition_time: 600
  prefill:
    blocksize: 64k
    numjobs: 1
  procs_per_volume:
  - 1
  ramp: 30
  time: 60
  time_based: true
  use_existing_volumes: true
  vol_size: 52500
  volumes_per_client:
  - 8
workloads:
  16k7030:
    iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
    jobname: randmix
    mode: randrw
    numjobs:
    - 1
    op_size: 16384
    rwmixread: 70
  16krandomread:
    iodepth:
    - 48
    - 32
    - 24

```

```

- 20
- 16
- 12
- 8
- 4
- 3
- 2
- 1
  jobname: randread
  mode: randread
  numjobs:
  - 1
  op_size: 16384
16krandomwrite:
  iodepth:
  - 16
  - 12
  - 10
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
  - 1
  op_size: 16384
1Mrandomread:
  iodepth:
  - 11
  - 10
  - 9
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: randread
  mode: randread
  numjobs:
  - 1
  op_size: 1048576
1Mrandomwrite:
  iodepth:
  - 11
  - 10
  - 9
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: randwrite

```



```

    mode: randwrite
    numjobs:
      - 1
    op_size: 1048576
  1Mseqread:
    iodepth:
      - 11
      - 10
      - 9
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqread
    mode: read
    numjobs:
      - 1
    op_size: 1048576
  1Mseqwrite:
    iodepth:
      - 11
      - 10
      - 9
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
    op_size: 1048576
  256krandomread:
    iodepth:
      - 16
      - 12
      - 10
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: randread
    mode: randread
    numjobs:
      - 1
    op_size: 262144
  256krandomwrite:
    iodepth:
      - 16
      - 12
      - 10

```

```

- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 262144
32krandomread:
  iodepth:
    - 32
    - 28
    - 20
    - 16
    - 12
    - 10
    - 8
    - 6
    - 4
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 32768
32krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 32768
4krandomread:
  iodepth:
    - 48
    - 32
    - 24
    - 20
    - 16
    - 8
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread

```

```

    mode: randread
    numjobs:
      - 1
    op_size: 4096
4krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 4096
512krandomread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 524288
512krandomwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 524288
512kseqread:
  iodepth:
    - 11
    - 10
    - 9

```

```

- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 524288
512kseqwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 524288
64k3070:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randmix
  mode: randrw
  numjobs:
    - 1
  op_size: 65536
  rwmixread: 30
64k7030:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1

```

```

  jobname: randmix
  mode: randrw
  numjobs:
  - 1
  op_size: 65536
  rwmixread: 70
64krandomread:
  iodepth:
  - 28
  - 20
  - 16
  - 12
  - 10
  - 8
  - 6
  - 4
  - 3
  - 2
  - 1
  jobname: randread
  mode: randread
  numjobs:
  - 1
  op_size: 65536
64krandomwrite:
  iodepth:
  - 16
  - 12
  - 10
  - 8
  - 7
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
  - 1
  op_size: 65536
64kseqread:
  iodepth:
  - 20
  - 16
  - 12
  - 10
  - 8
  - 6
  - 5
  - 4
  - 3
  - 2
  - 1
  jobname: read
  mode: read
  numjobs:
  - 1
  op_size: 65536
64kseqwrite:
  iodepth:
  - 16

```

```

- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: write
  mode: write
  numjobs:
    - 1
  op_size: 65536
8krandomread:
  iodepth:
    - 48
    - 32
    - 24
    - 20
    - 16
    - 12
    - 8
    - 4
    - 3
    - 2
    - 1
  jobname: randread
  mode: randread
  numjobs:
    - 1
  op_size: 8192
8krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 8192
precondition:
  iodepth:
    - 2
  jobname: precond1rw
  mode: randwrite
  monitor: false
  numjobs:
    - 1
  op_size: 65536
  precondition: true
seq16kread:
  iodepth:

```

```

- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 16384
seq16kwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 16384
seq256kread:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 262144
seq256kwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3

```

```

- 2
- 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
    op_size: 262144
seq32kread:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
    op_size: 32768
seq32kwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
    op_size: 32768
seq4kread:
  iodepth:
    - 20
    - 16
    - 14
    - 12
    - 10
    - 8
    - 6
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
    op_size: 4096
seq4kwrite:
  iodepth:

```



```

- 20
- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 4096
seq8kread:
  iodepth:
    - 16
    - 14
    - 12
    - 10
    - 8
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqread
  mode: read
  numjobs:
    - 1
  op_size: 8192
seq8kwrite:
  iodepth:
    - 20
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 8192
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 -FO --rawtoo --sep ";" -f {collectl_dir}

```