

Comparitive Performance Report for  
cbt-19thJan-main-4k-8vol vs cbt-28thJan-alexls17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexls19-econ-4k-8vol-3min

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# Comparison summary for cbt-19thJan-main-4k-8vol vs cbt-28thJan-alexsls17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexsls19-econ-4k-8vol-3min

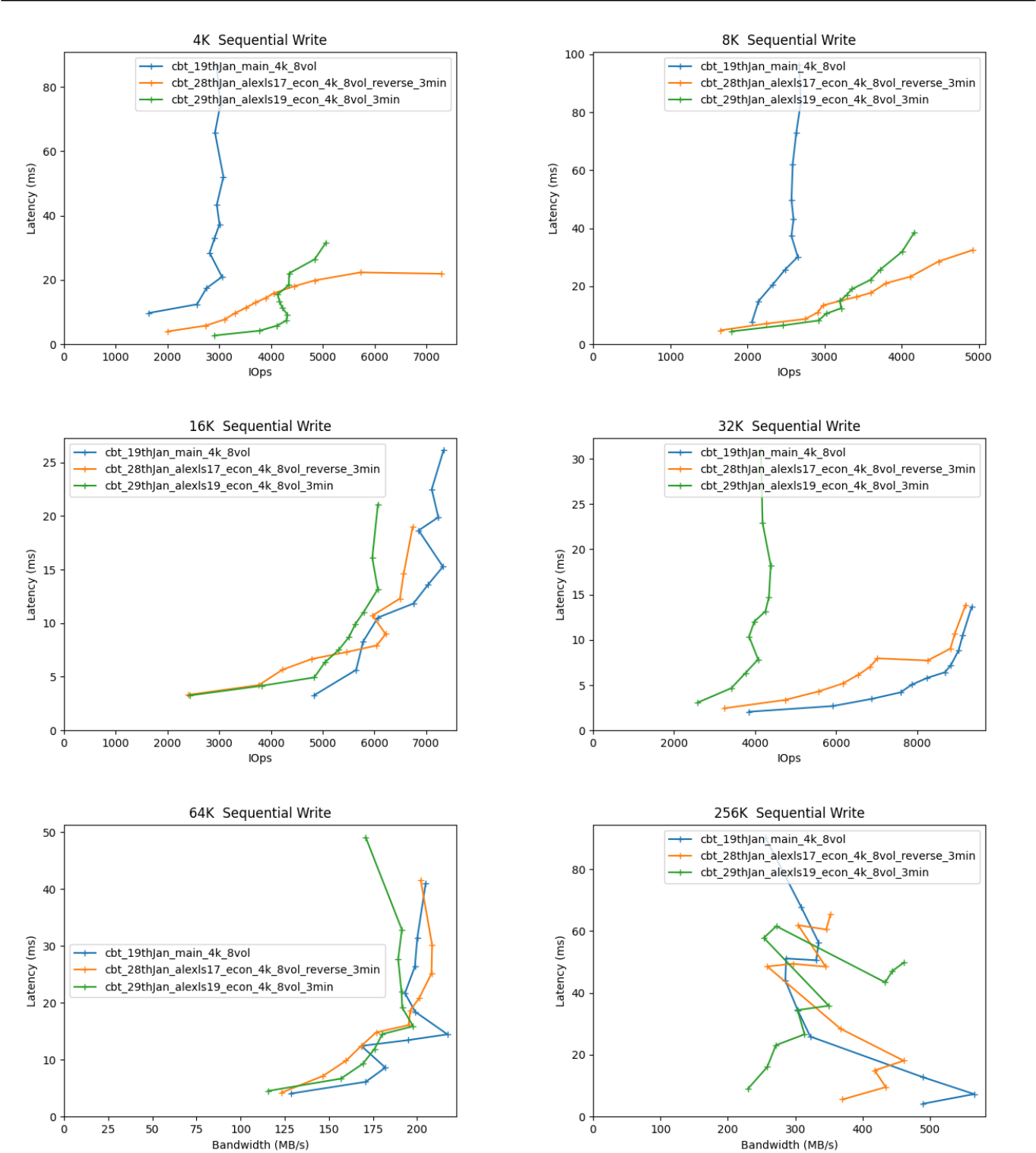
Sequential Write	cbt_19thJan_main_4k_8vol	cbt_28thJan_alexsls17_econ_4k_8vol	%change	cbt_29thJan_alexsls19_econ_4k_8vol	%change
4K	3077@52.1ms	7292@21.9	137%	5056@31.6	64%
8K	2694@83.5ms	4923@32.5	83%	4162@38.4	54%
16K	7338@26.1ms	6740@19.0	-8%	6069@21.1	-17%
32K	9342@13.7ms	9196@13.9	-2%	4384@18.2	-53%
64K	217@14.5ms	208@30.1	-4%	198@15.9	-9%
256K	565@7.3ms	461@18.1	-18%	462@49.8	-18%
512K	483@95.4ms	465@53.9	-4%	484@95.0	0%
1024K	513@64.9ms	475@87.7	-7%	501@183.9	-2%

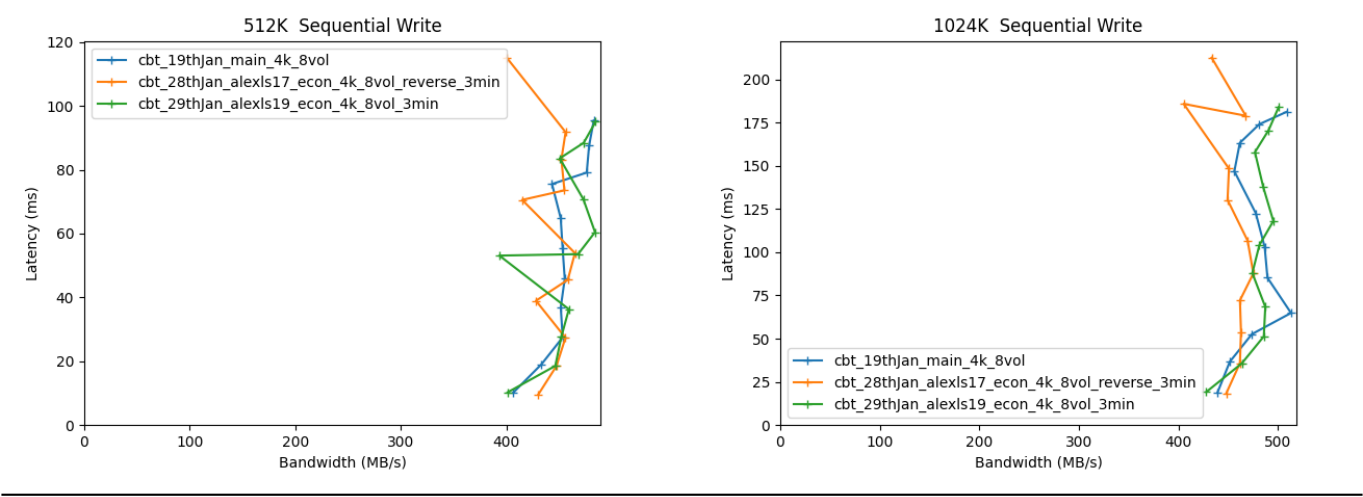
Random Write	cbt_19thJan_main_4k_8vol	cbt_28thJan_alexsls17_econ_4k_8vol	%change	cbt_29thJan_alexsls19_econ_4k_8vol	%change
4K	2708@35.4ms	3296@38.8	22%	3738@34.2	38%
8K	2758@46.4ms	3734@34.3	35%	3618@35.4	31%
16K	5674@22.5ms	4827@13.2	-15%	5008@25.5	-12%
32K	3530@36.3ms	3579@26.8	1%	3335@38.4	-6%
64K	199@31.5ms	240@10.8	21%	305@27.4	53%
256K	415@50.4ms	421@14.8	1%	449@74.6	8%
512K	466@80.7ms	466@80.8	0%	475@88.1	2%
1024K	478@139.8ms	472@177.5	-1%	484@155.7	1%

Random Read/Write	cbt_19thJan_main_4k_8vol	cbt_28thJan_alexsls17_econ_4k_8vol	%change	cbt_29thJan_alexsls19_econ_4k_8vol	%change
16K_70/30	7664@7.3ms	5639@14.2	-26%	5516@14.5	-28%
64K_70/30	304@27.6ms	282@20.5	-7%	299@15.8	-2%
64K_30/70	246@17.0ms	245@17.1	-0%	219@26.3	-11%

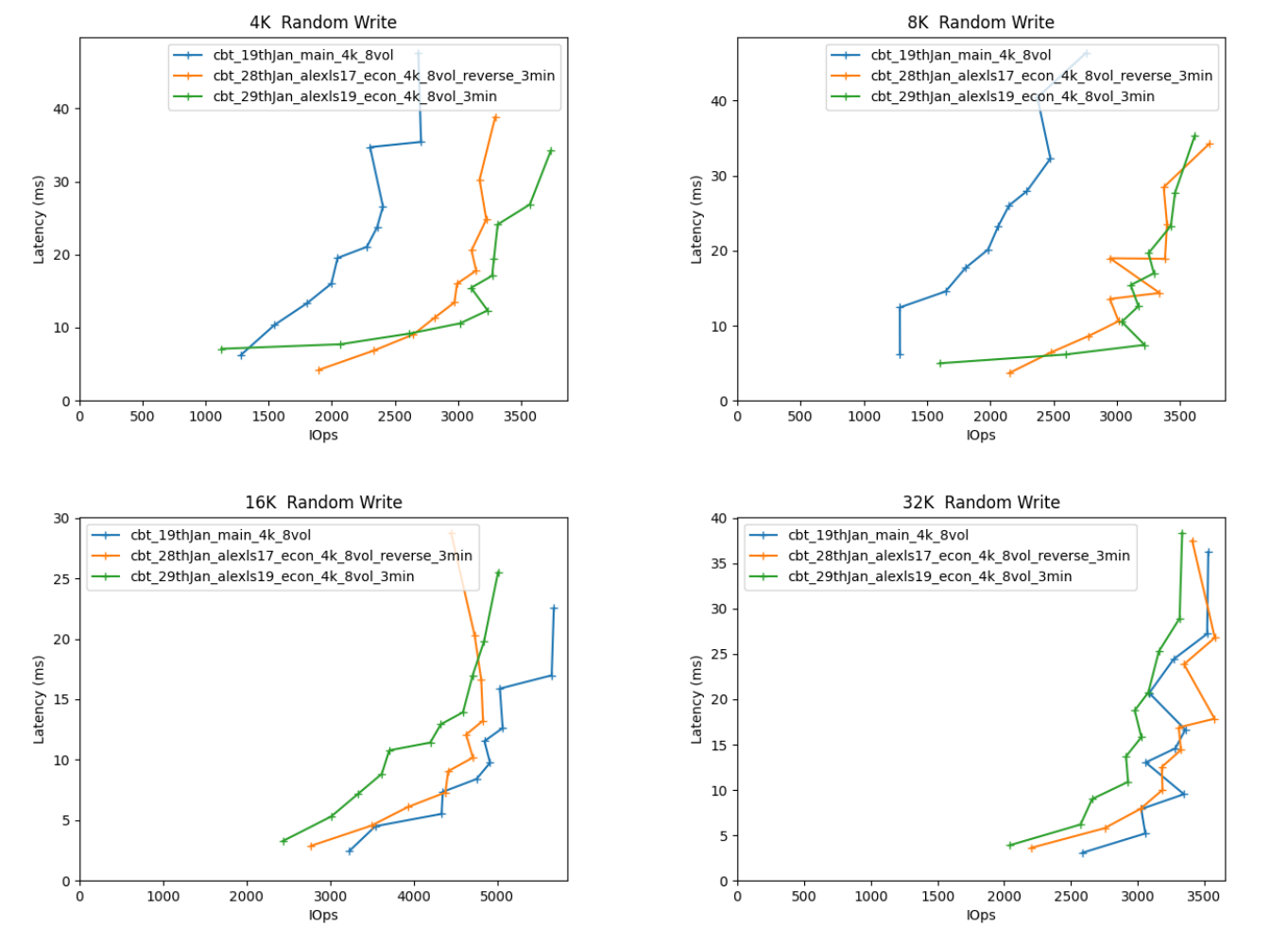
# Response Curves

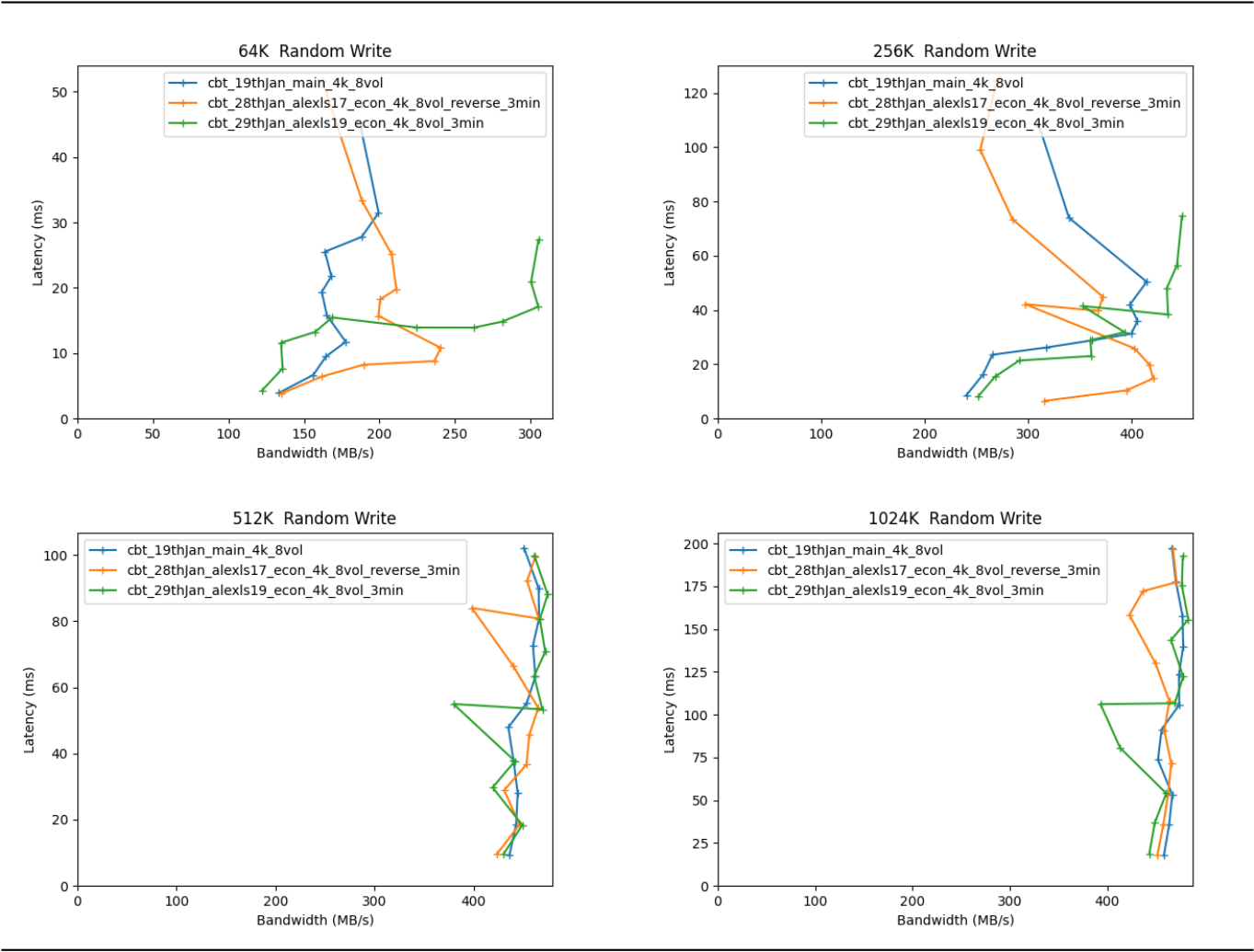
## Sequential Write



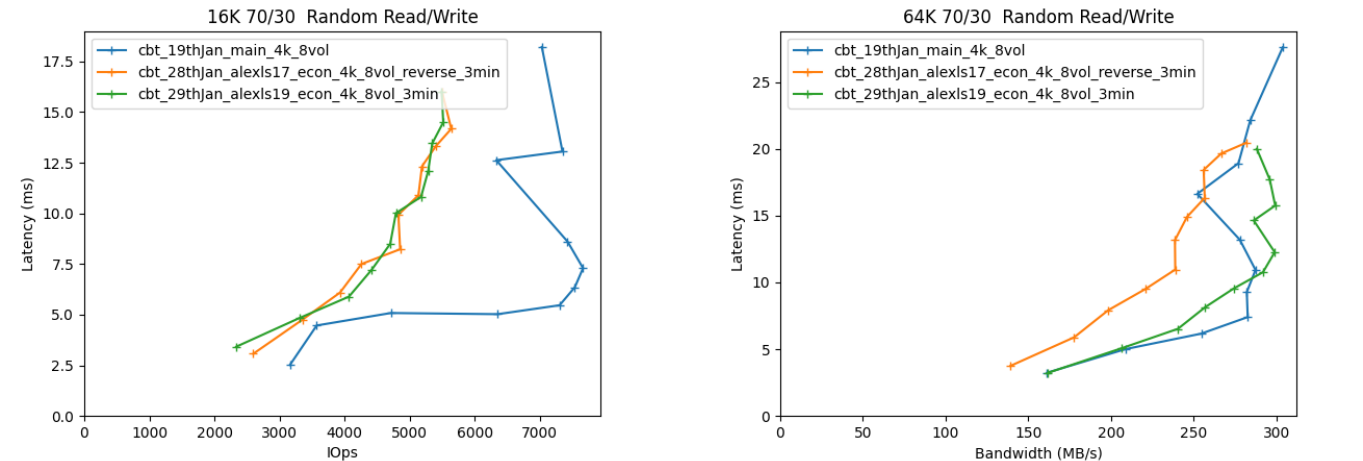


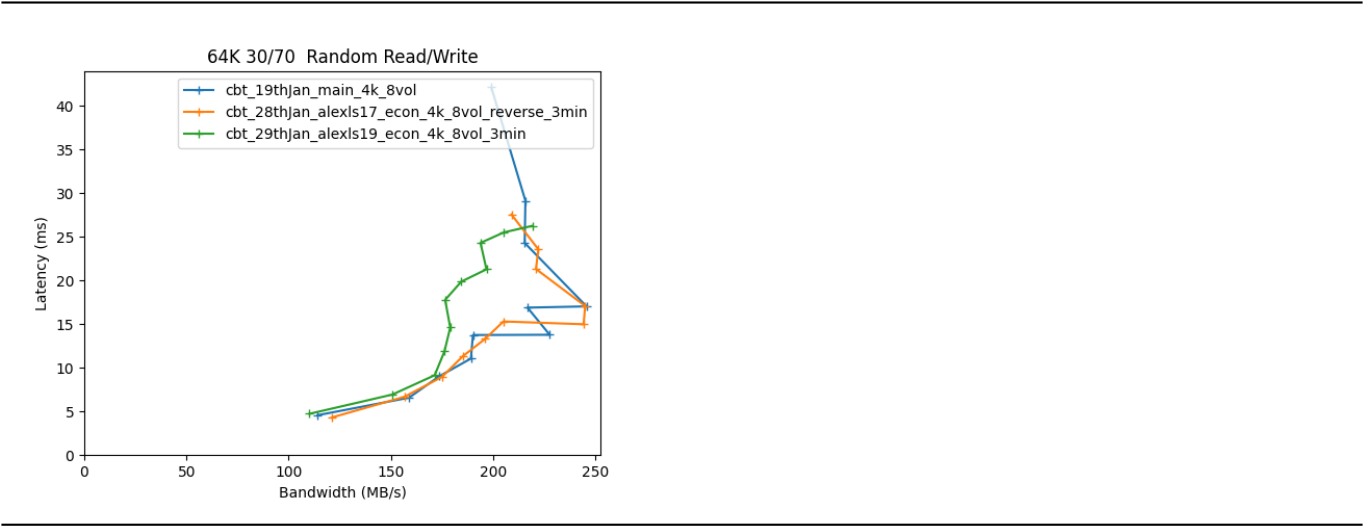
Random Write





Random Read/Write









```
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:
        - 1
        - 2
        - 3
        - 4
        - 5
        - 6
        - 7
        - 8
        - 10
        - 12
        - 16
      jobname: randmix
      mode: randrw
      numjobs:
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
        - 1
      op_size: 16384
      rwmixread: 70
    16krandomread:
      iodepth:
        - 1
        - 2
        - 3
        - 4
        - 8
```

19thJan-main-4k-8vol vs cbt-28thJan-alexsl17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexsl19-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexsl19-econ-4k-8vol-reverse-3min



[illegible]

```
256krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 262144
32krandomread:
  iodepth:
    - 2
    - 4
    - 6
    - 8
    - 10
    - 12
    - 16
    - 20
    - 24
    - 28
    - 32
  jobname: randread
  mode: randread
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 32768
32krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
```

thJan-main-4k-8vol vs cbt-28thJan-alexis17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexis19-econ-4k-8vol-reverse-3min



```
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 524288
512kseqread:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
jobname: seqread
mode: read
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 524288
512kseqwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
jobname: seqwrite
mode: write
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 524288
```







```

- 32
  jobname: read
  mode: read
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 65536
64kseqwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: write
  mode: write
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 65536
8krandomread:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 8
    - 12
    - 16
    - 20
    - 24
    - 32
    - 48
  jobname: randread
  mode: randread
  numjobs:
    - 1
    - 1
    - 1

```





[illegible]

```
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: seqwrite
mode: write
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 32768
seq4kread:
iodepth:
- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 18
- 20
- 24
jobname: seqread
mode: read
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 4096
seq4kwrite:
iodepth:
- 2
- 4
- 6
- 8
- 10
- 12
- 14
```







[illegible]

[illegible]

thJan-main-4k-8vol vs cbt-28thJan-alex17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alex19-econ-4k-8vol-reverse-3min



```

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

```

```

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

```





```
- 6
- 7
- 8
- 9
- 10
- 11
jobname: seqread
mode: read
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 524288
512kseqwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
jobname: seqwrite
mode: write
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 524288
64k3070:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: randmix
```

```

mode: randrw
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 65536
rwmixread: 30
64k7030:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: randmix
mode: randrw
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 65536
rwmixread: 70
64krandomread:
iodepth:
- 2
- 4
- 6
- 8
- 10
- 12
- 16
- 20
- 24
- 28
- 32
jobname: randread
mode: randread
numjobs:
- 1
- 1
- 1

```

- 1

```
- 1
  op_size: 65536
64kseqwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: write
  mode: write
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 65536
8krandomread:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 8
    - 12
    - 16
    - 20
    - 24
    - 32
    - 48
  jobname: randread
  mode: randread
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 8192
8krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
```





```

- 8
- 9
- 10
- 11
jobname: seqwrite
mode: write
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 262144
seq32kread:
iodepth:
- 2
- 4
- 8
- 10
- 12
- 14
- 16
- 18
- 20
- 22
- 24
jobname: seqread
mode: read
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 32768
seq32kwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: seqwrite
mode: write
numjobs:

```

```
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 32768
seq4kread:
iodepth:
- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 18
- 20
- 24
jobname: seqread
mode: read
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
op_size: 4096
seq4kwrite:
iodepth:
- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 20
- 24
- 28
- 32
jobname: seqwrite
mode: write
numjobs:
- 1
- 1
- 1
- 1
- 1
- 1
```



```

- 1
- 1
- 1
- 1
- 1
- 1
- 1
  op_size: 4096
seq8kread:
  iodepth:
    - 2
    - 4
    - 6
    - 8
    - 10
    - 12
    - 14
    - 16
    - 18
    - 20
    - 24
  jobname: seqread
  mode: read
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
  op_size: 8192
seq8kwrite:
  iodepth:
    - 2
    - 4
    - 6
    - 8
    - 10
    - 12
    - 14
    - 16
    - 20
    - 24
    - 28
    - 32
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1
    - 1

```





```

op_size: 16384
1Mrandomwrite:
  iodepth:
    - 11
    - 10
    - 9
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  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
256krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 262144
32krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6

```

```

- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 32768
4krandomwrite:
iodepth:
- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 4096
512krandomwrite:
iodepth:
- 11
- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
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
64krandomwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: randwrite
  mode: randwrite
  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
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: precondirw
  mode: randwrite
  monitor: false
  numjobs:
    - 1
  op_size: 65536
  precondition: true
seq16kwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 16384
seq256kwrite:
  iodepth:
    - 11
    - 10
    - 9

```

```
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
    op_size: 262144
seq32kwrite:
  iodepth:
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
      op_size: 32768
seq4kwrite:
  iodepth:
    - 20
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
    jobname: seqwrite
    mode: write
    numjobs:
      - 1
      op_size: 4096
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}
  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: 180
    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
  16krandomwrite:
    iodepth:
      - 16
      - 12
      - 10
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: randwrite
    mode: randwrite
    numjobs:
      - 1
    op_size: 16384
  1Mrandomwrite:
    iodepth:
      - 11
      - 10
      - 9
      - 8
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
    jobname: randwrite
    mode: randwrite
    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
256krandomwrite:
iodepth:
- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 262144
32krandomwrite:
iodepth:
- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 32768
4krandomwrite:
iodepth:
- 16
- 12
- 10
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite

```

```

mode: randwrite
numjobs:
- 1
op_size: 4096
512krandomwrite:
iodepth:
- 11
- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
jobname: randwrite
mode: randwrite
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

```



thJan-main-4k-8vol vs cbt-28thJan-alexsl17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexsl19-econ-4k-8vol-reverse-3min

```

- 2
- 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 32768
seq4kwrite:
  iodepth:
    - 20
    - 16
    - 12
    - 10
    - 8
    - 7
    - 6
    - 5
    - 4
    - 3
    - 2
    - 1
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 4096
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}
```





```

op_size: 16384
1Mrandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 9
    - 10
    - 11
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 1048576
1Mseqwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 9
    - 10
    - 11
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 1048576
256krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 262144
32krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6

```



cvt-19thJan-main-4k-8vol vs cvt-28thJan-auxls17-econ-4k-60vol-reverse-3min vs cvt-29thJan-auxls19-ed Jan-Apr-8-2025

```

- 5
- 6
- 7
- 8
- 10
- 12
- 16
  jobname: write
  mode: write
  numjobs:
    - 1
  op_size: 65536
8krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  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
seq16kwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 16384
seq256kwrite:
  iodepth:
    - 1
    - 2
    - 3

```

```

- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 262144
seq32kwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 32768
seq4kwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
    - 20
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 4096
seq8kwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16

```

```

    - 20
    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}
  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: 180
    time_based: true
    use_existing_volumes: true
    vol_size: 52500

```

cbt-19thJan-main-4k-8vol vs cbt-28thJan-alexls17-econ-4k-64vol-reverse-3min vs cbt-29thJan-alexls19-econ-4k-8vol-3025



```
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
jobname: seqwrite
mode: write
numjobs:
- 1
op_size: 1048576
256krandomwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 262144
32krandomwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: randwrite
mode: randwrite
numjobs:
- 1
op_size: 32768
4krandomwrite:
iodepth:
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 10
- 12
- 16
jobname: randwrite
```



```

- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
  jobname: randmix
  mode: randrw
  numjobs:
    - 1
  op_size: 65536
  rwmixread: 70
64krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: randwrite
  mode: randwrite
  numjobs:
    - 1
  op_size: 65536
64kseqwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12
    - 16
  jobname: write
  mode: write
  numjobs:
    - 1
  op_size: 65536
8krandomwrite:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 10
    - 12

```

```

- 16
  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
seq16kwrite:
  iodepth:
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 10
  - 12
  - 16
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
      op_size: 16384
seq256kwrite:
  iodepth:
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
    jobname: seqwrite
    mode: write
    numjobs:
    - 1
      op_size: 262144
seq32kwrite:
  iodepth:
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 10

```

cbt-19thJan-main-4k-8vol vs cbt-28thJan-alexsl7-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexsl9-econ-4k-8vol-reverse-3min  
Jan-19-2025 Jan-28-2025 Jan-29-2025

cbt-19thJan-main-4k-8vol vs cbt-28thJan-alexls17-econ-4k-8vol-reverse-3min vs cbt-29thJan-alexls19-econ-4k-8vol-reverse-3min  
 Jan-16-08-29, 2025