

Performance Report for cbt-29thJan-alexls19-econ-4k-8vol-3min

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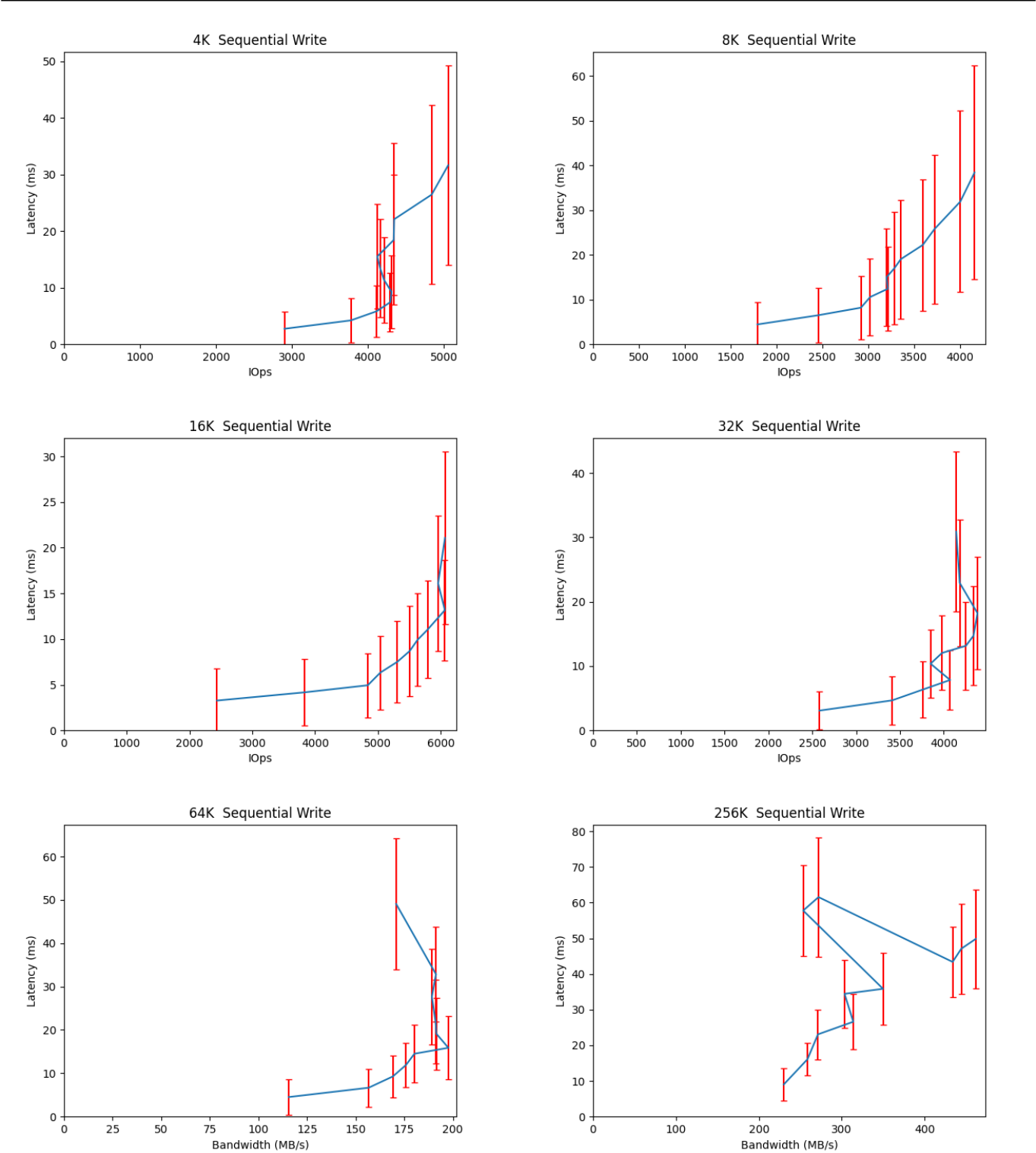
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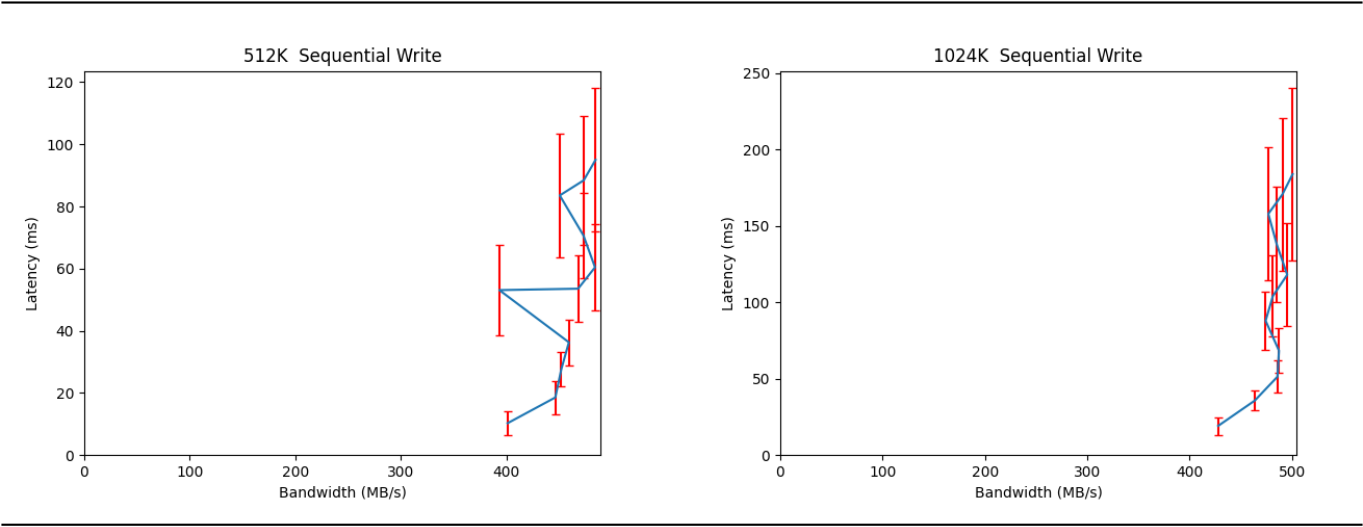
Summary of results for cbt-29thJan-alexls19-econ-4k-8vol-3min

Workload Name	Maximum Throughput	Latency (ms)
4096B_write	5056 IOps	31.6
8192B_write	4162 IOps	38.4
16384B_write	6069 IOps	21.1
32768B_write	4384 IOps	18.2
65536B_write	198 MB/s	15.9
262144B_write	462 MB/s	49.8
524288B_write	484 MB/s	95.0
1048576B_write	501 MB/s	183.9
4096B_randwrite	3738 IOps	34.2
8192B_randwrite	3618 IOps	35.4
16384B_randwrite	5008 IOps	25.5
32768B_randwrite	3335 IOps	38.4
65536B_randwrite	305 MB/s	27.4
262144B_randwrite	449 MB/s	74.6
524288B_randwrite	475 MB/s	88.1
1048576B_randwrite	484 MB/s	155.7
16384B_70_30_randrw	5516 IOps	14.5
65536B_70_30_randrw	299 MB/s	15.8
65536B_30_70_randrw	219 MB/s	26.3

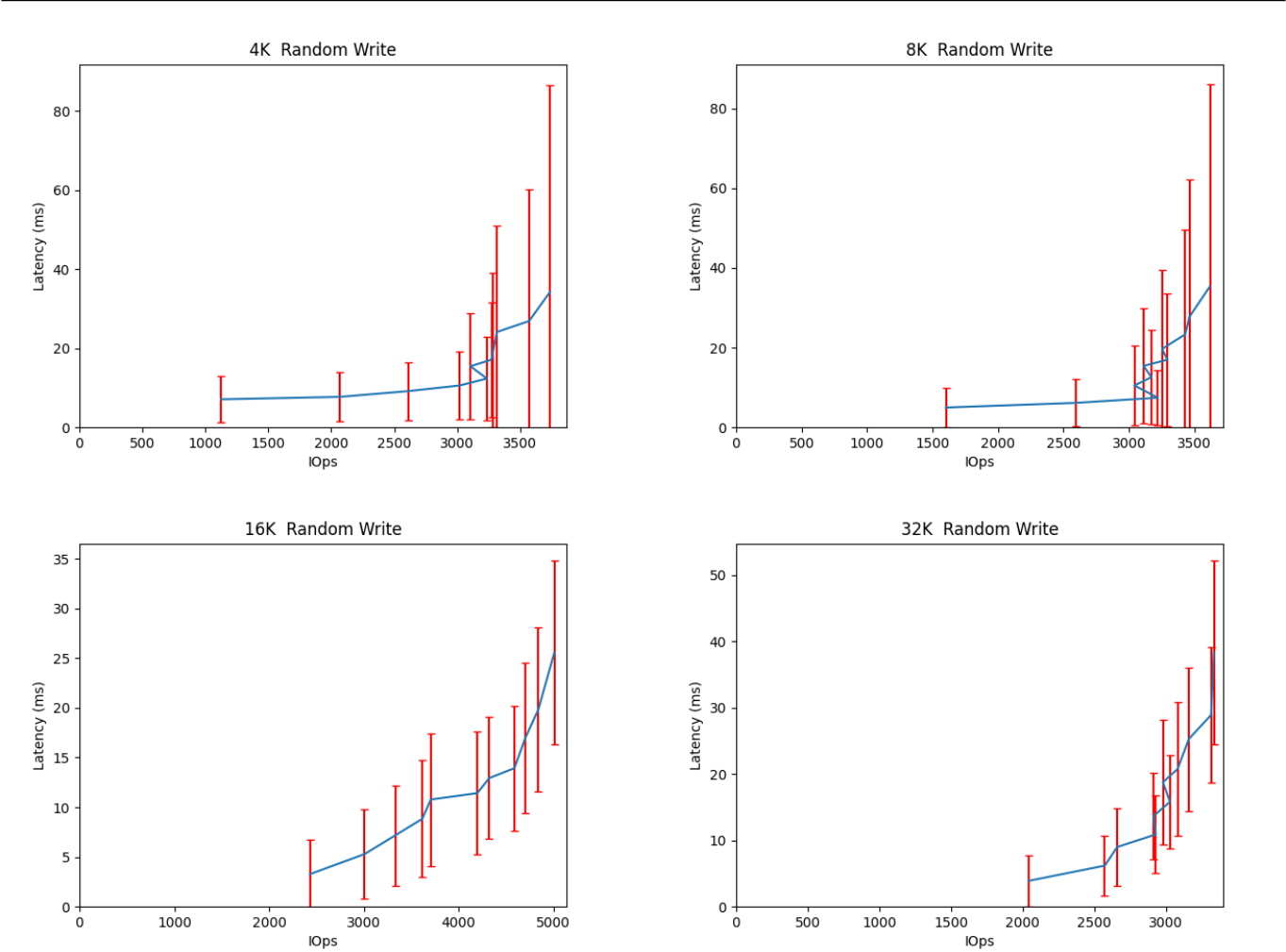
Response Curves

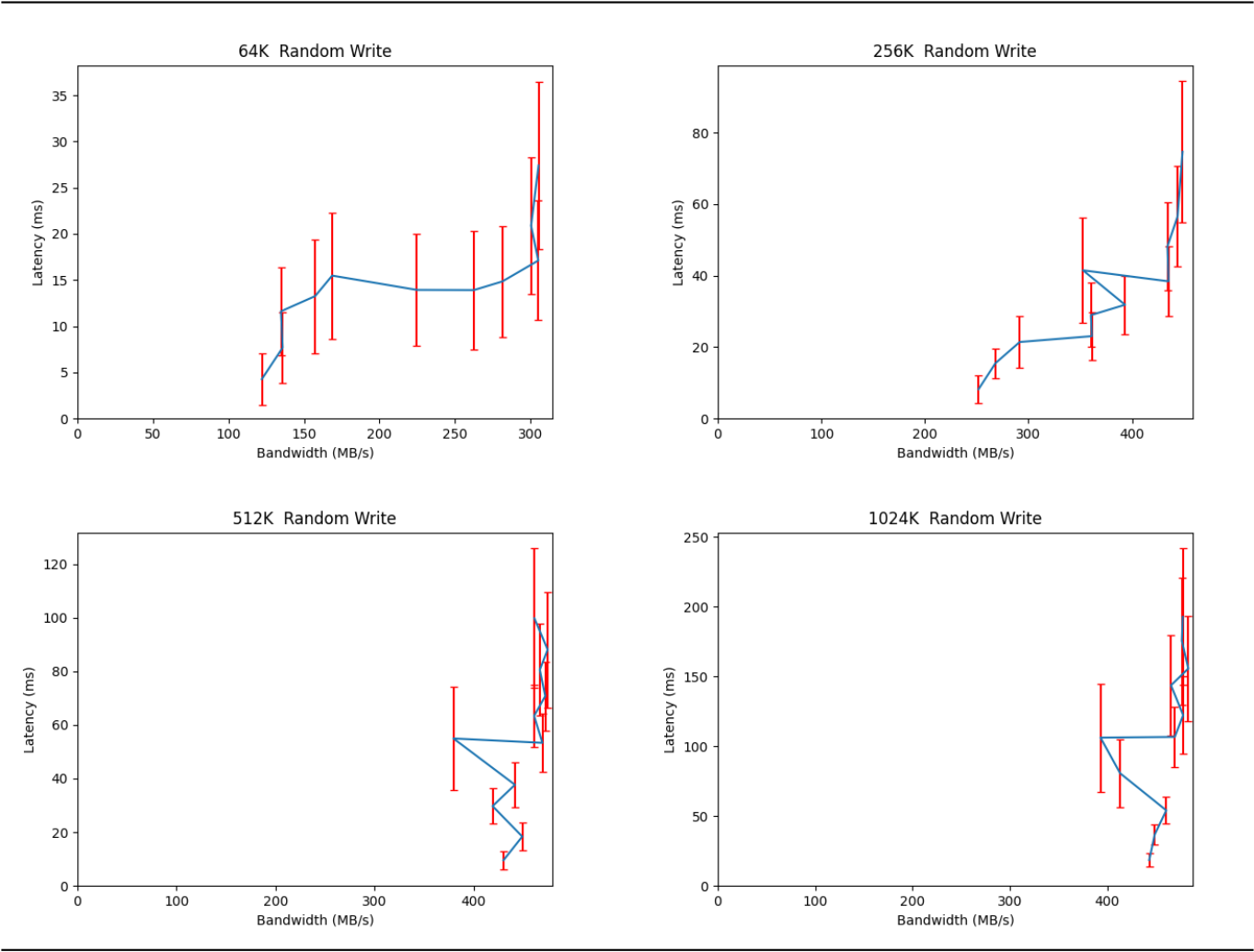
Sequential Write



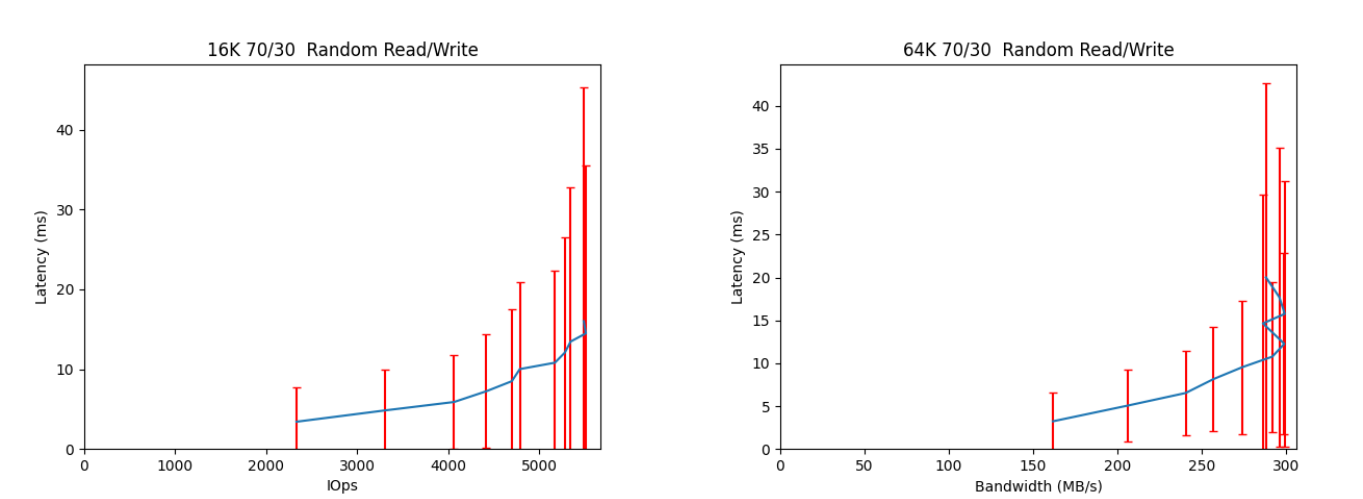


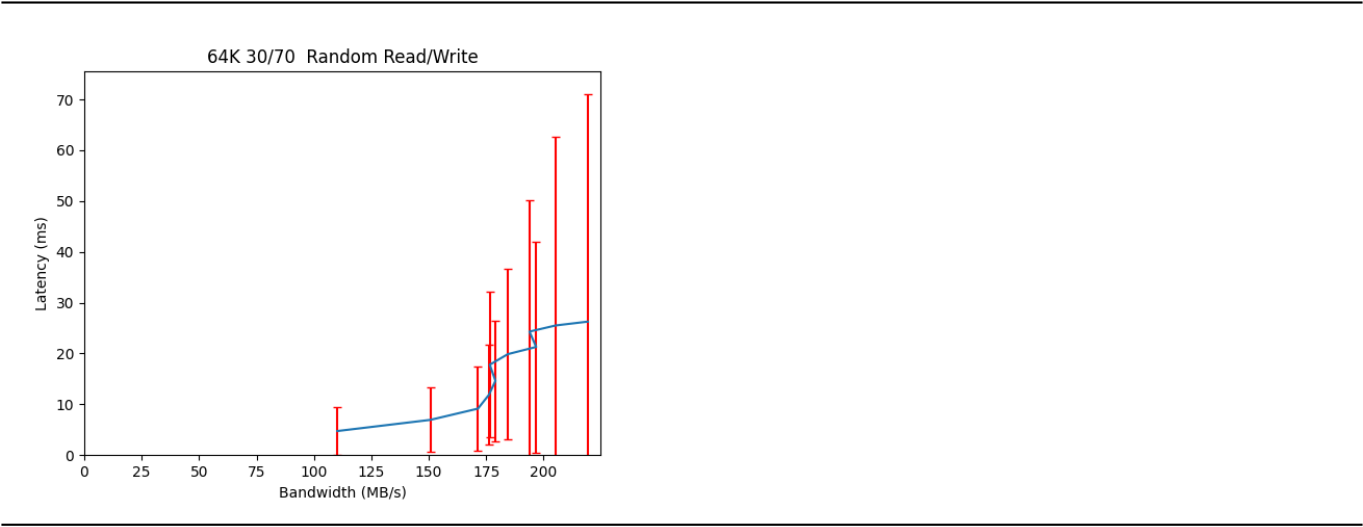
Random Write





Random Read/Write





Configuration yaml

```

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:
        - 1
        - 2
        - 3
        - 4
        - 5
        - 6
        - 7
        - 8
        - 9
        - 10
        - 11
      jobname: randmix
      mode: randrw
      numjobs:
        - 1
      op_size: 16384
      rwmixread: 70
    16krandomwrite:
      iodepth:
        - 1
        - 2
        - 3
        - 4
        - 5

```



```

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

```

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- 6
- 7
- 8
- 9
- 10
- 11
  jobname: seqwrite
  mode: write
  numjobs:
    - 1
  op_size: 524288
64k3070:
  iodepth:
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 9
    - 10
    - 11
  jobname: randmix
  mode: randrw
  numjobs:
    - 1
  op_size: 65536
  rwmixread: 30
64k7030:
  iodepth:
    - 1
    - 2
    - 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
      - 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 -F0 --rawtoo --sep ";" -f {collectl_dir}

```