

HCIBench Report

Test Case Name: fio-8vmdk-100ws-4k-100rdpct-100randompct-4threads-50compress-50dedupe-17429016
Report Date: 2025-03-25 12:52:17 +0000
Generated by: [HCIBench 2.8.3](#)

Performance Results

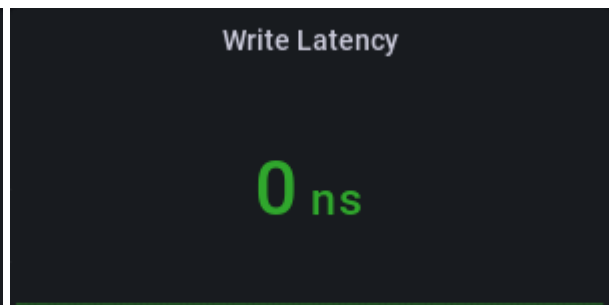
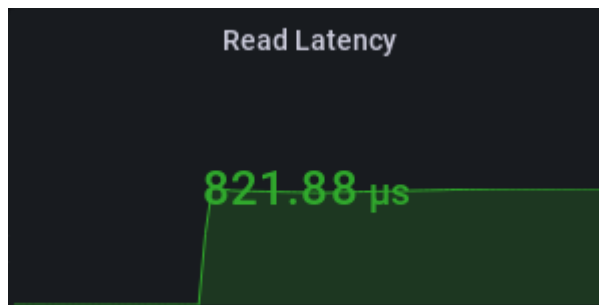
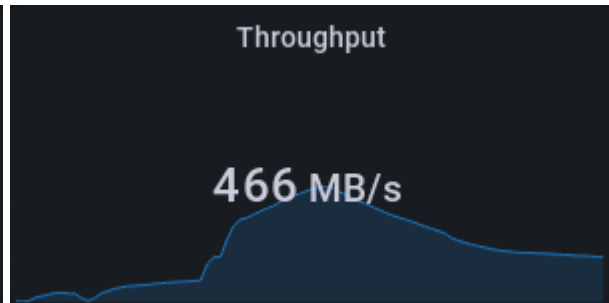
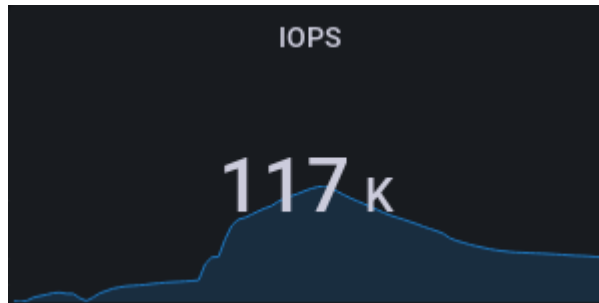
Datastore: quanta01-iscsi01
=====

JOB_NAME: job0
Number of VMs: 3
I/O per Second: 116567.31 IO/S
Throughput: 455.00 MB/s
Read Latency: 0.82 ms
Write Latency: 0.00 ms
95th Percentile Read Latency: 1.00 ms
95th Percentile Write Latency: 0.00 ms
=====

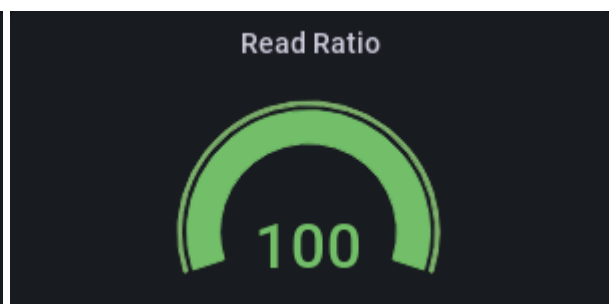
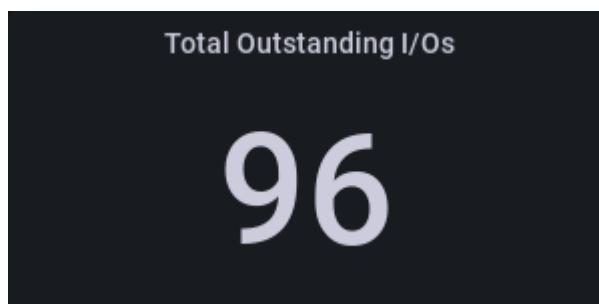
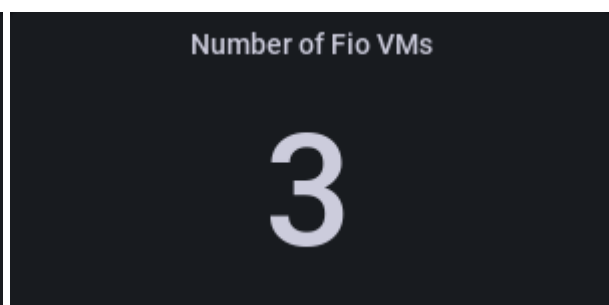
Resource Usage

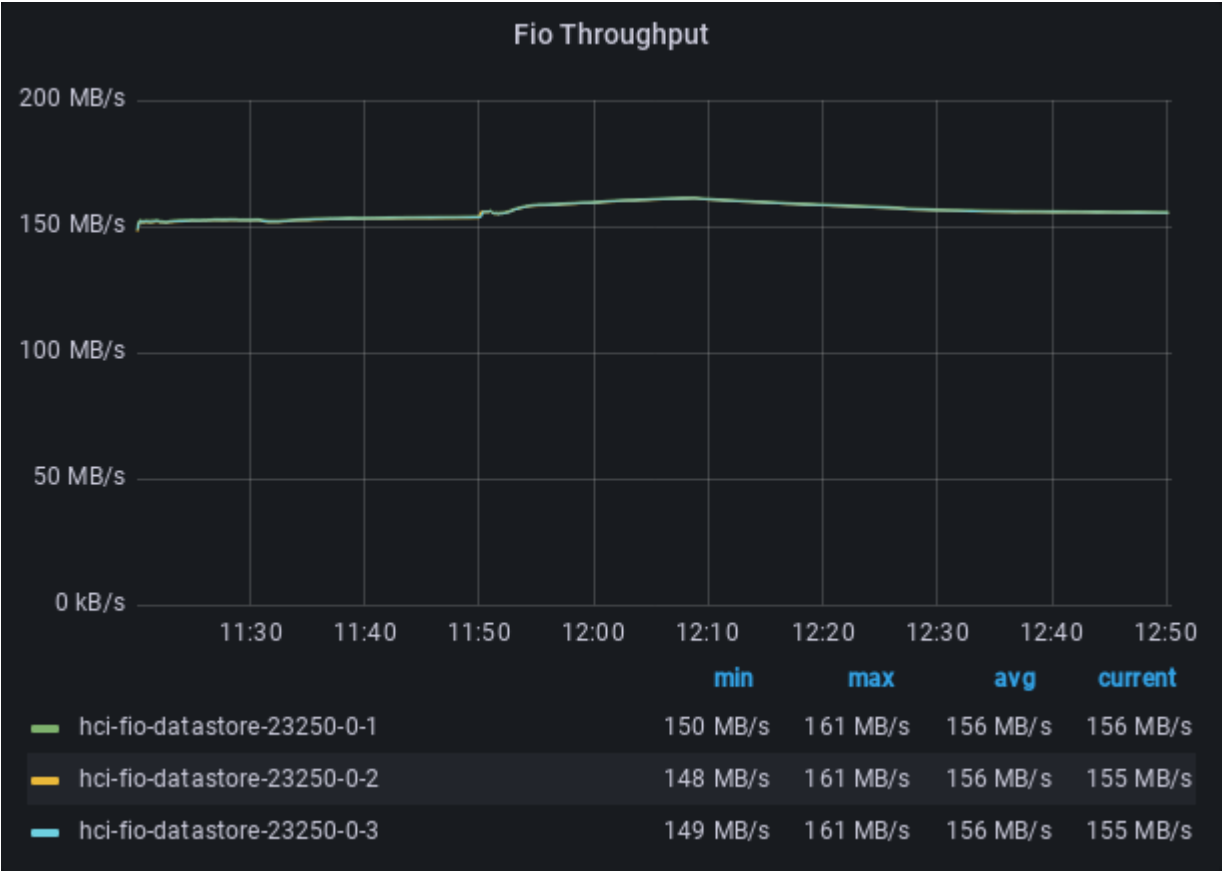
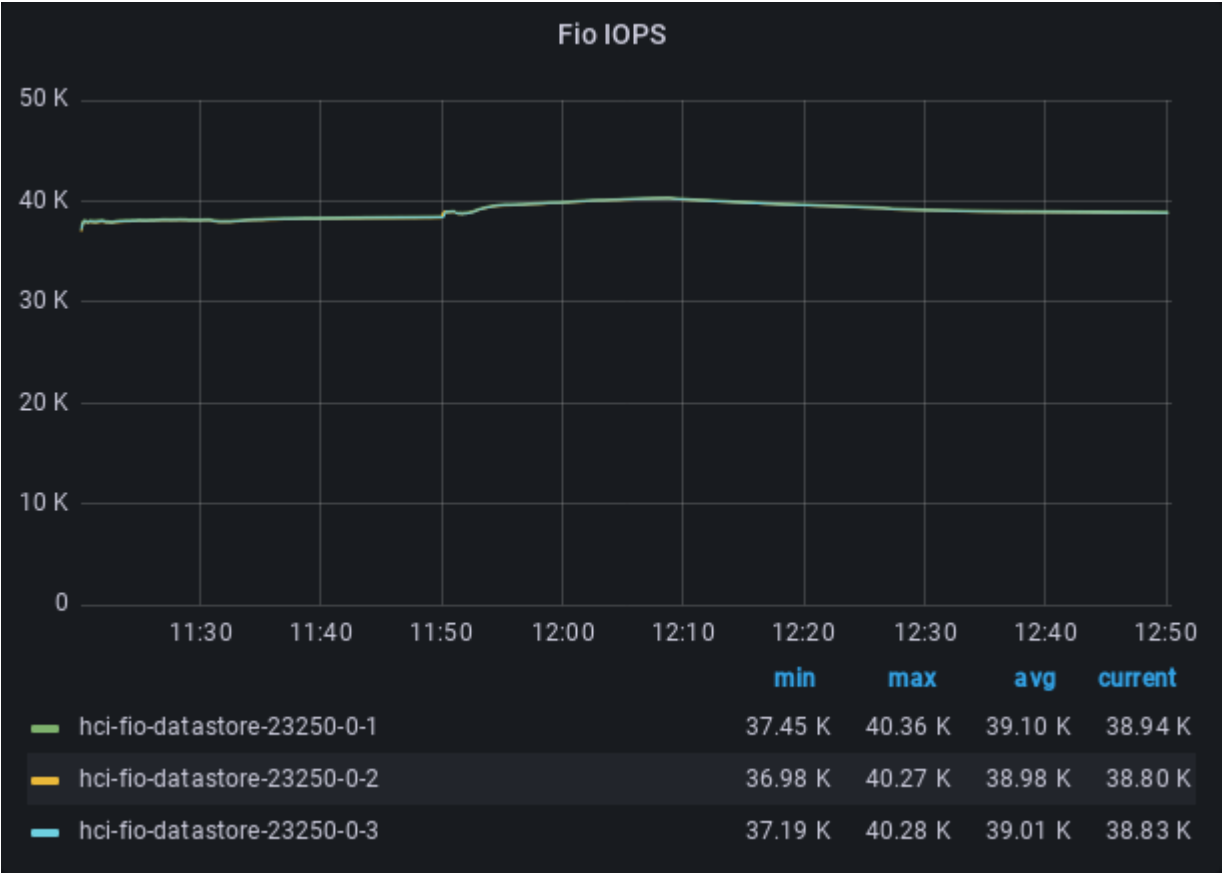
Cluster	cpu.usage	cpu.utilization	mem.usage
vSAN	15.46%	9.3%	15.09%

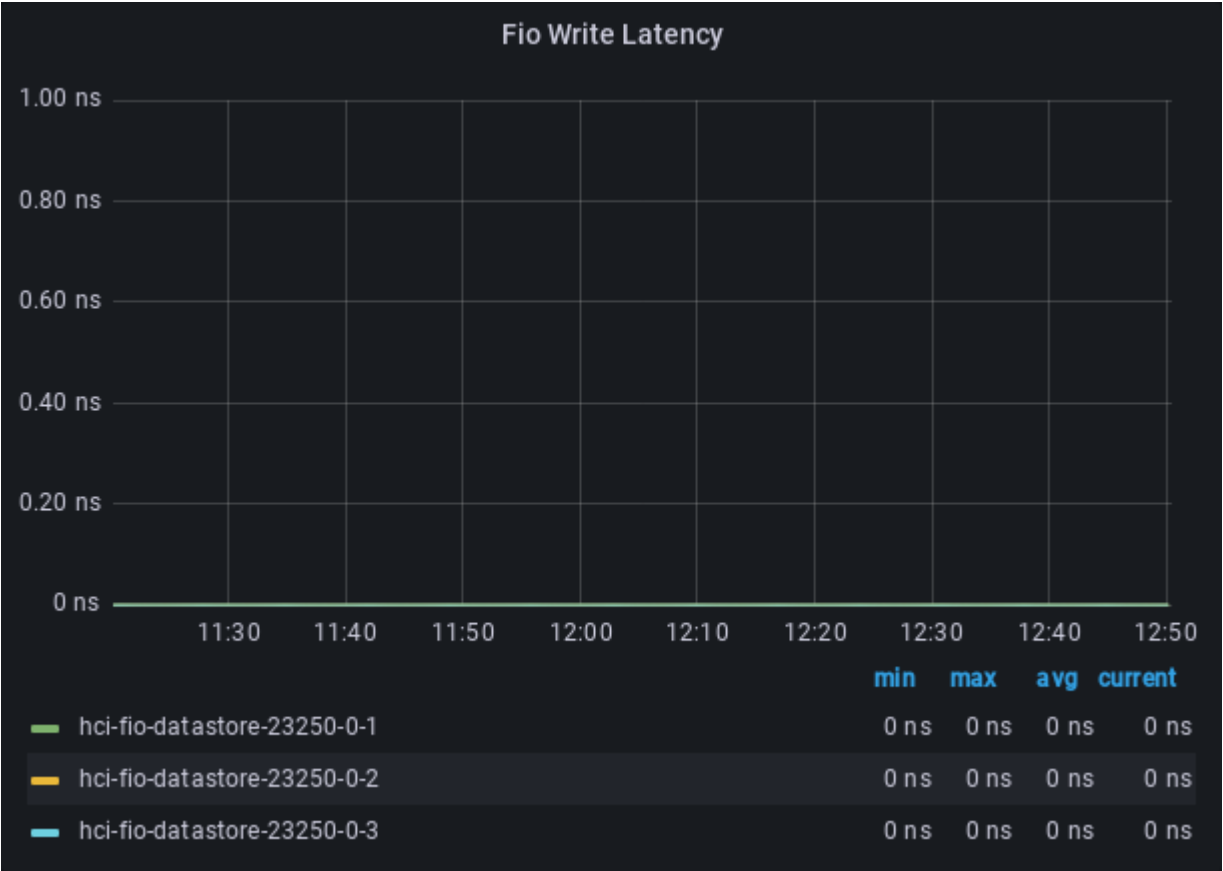
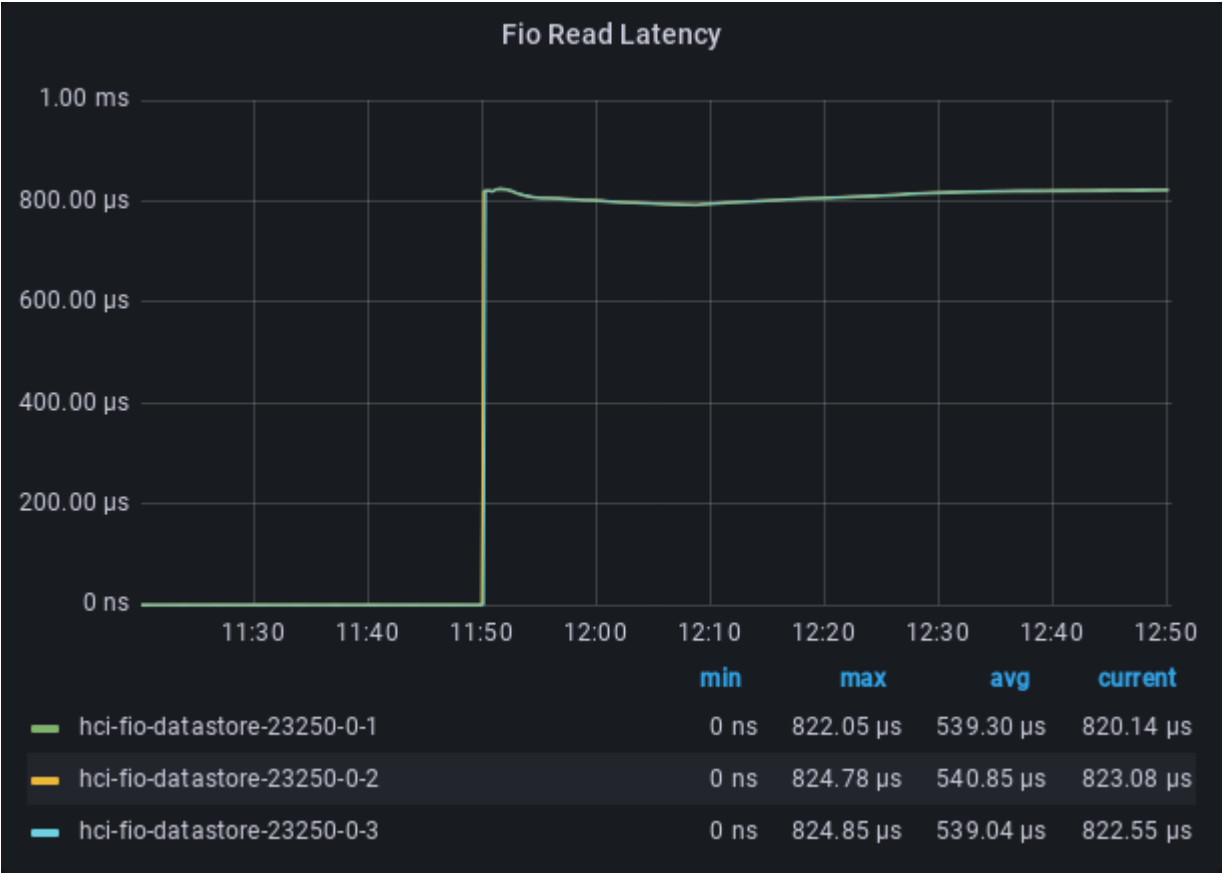
Performance Charts



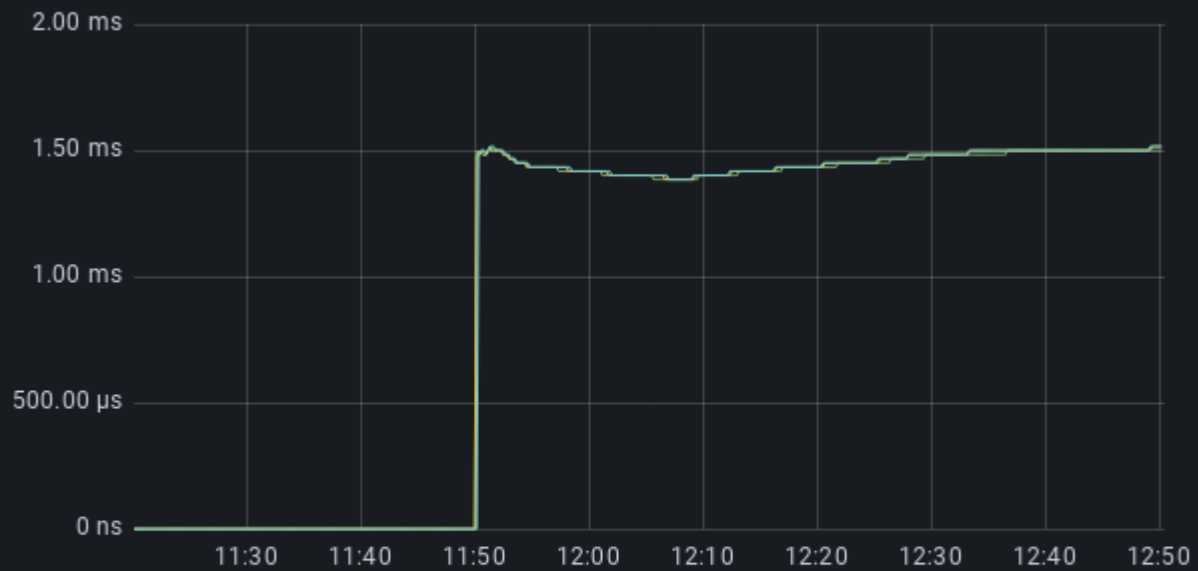
HCIBench







Read 95th Percentile Latency

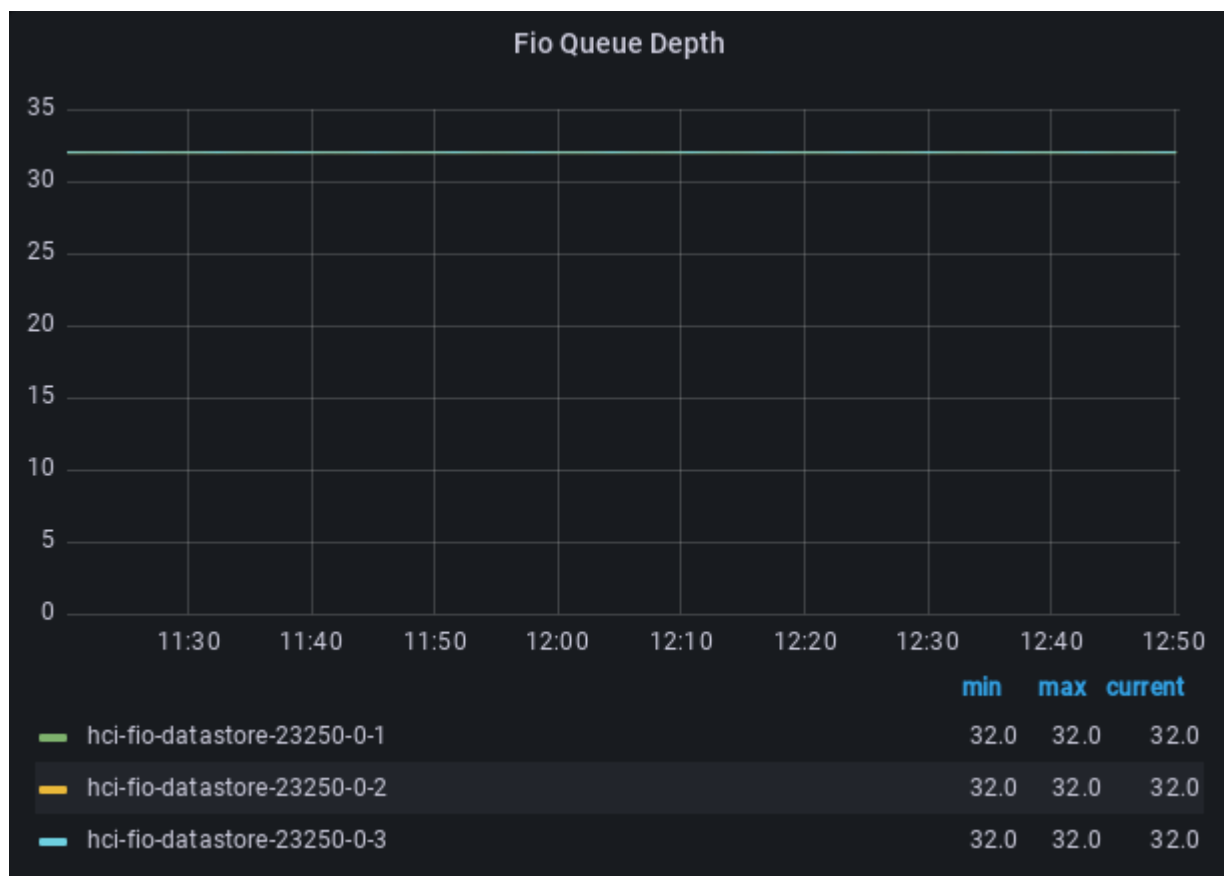


	min	max	current
hci-fio-datastore-23250-0-1	0 ns	1.50 ms	1.50 ms
hci-fio-datastore-23250-0-2	0 ns	1.52 ms	1.52 ms
hci-fio-datastore-23250-0-3	0 ns	1.52 ms	1.52 ms

Write 95th Percentile Latency



	min	max	current
hci-fio-datastore-23250-0-1	0 ns	0 ns	0 ns
hci-fio-datastore-23250-0-2	0 ns	0 ns	0 ns
hci-fio-datastore-23250-0-3	0 ns	0 ns	0 ns



Dashboards Links

[Fio Benchmark Dashboard in Grafana](#)
[vSAN Overview Dashboard in Grafana](#)

HCIBench Configurations

Delete Guest VMs after Testing: false
Multi-Write VMDK: false
Size of Data Disk in GB: 10
Virtual Disk Preparation Method: ZERO
Datastore Name: quanta01-iscsi01
Clear Read/Write Cache/Buffer Before Test: false
Use Internal Static IP: false
Number of vCPU per VM: 4
Number of Data Disk per VM: 8
Storage Policy Name: Datastore Default Policy
Directly Deploy on Hosts: false
vSAN Debug Mode: false
Workload Parameter File Source: /opt/tmp/tmp20250325110858
Datacenter Name: uk-bhr-p-dc-1
Size(GB) of RAM per VM: 8
Cluster Name: vSAN
Reuse Existing VMs: false
Network Name: DSwitch-VM Network
Easy Run: false
vCenter IP/Hostname: uk-bhr-p-vc-1.jameskilby.cloud
Tool to Use: fio
Guest VM Name Prefix: hci-fio
Test Name: easy-run-1742463519
Number of Guest VMs: 3

vSAN Configurations

Not applicable to this test.

Benchmark Tool Configurations

```
; Auto generated FIO parameter file
; block_size: 4k
; testing_time: 3600
; warmup_time: 1800
; nb_disks: 8
; io_rate: None
; read_pct: 100
; random_pct: 100
; working_set: 100
; nvme_ctrlr: False
; nb_threads: 4
; buffer_compress_pct: 50
; dedupe_pct: 50
```

```
[global]
runtime=3600
time_based=1
ramp_time=1800
direct=1
buffered=0
fsync=0
readwrite=randread
random_generator=tausworthe64
blocksize=4K
buffer_compress_percentage=50
dedupe_percentage=50
ioengine=libaio
group_reporting
lat_percentiles=1
continue_on_error=all
```

```
[job0]
filename=/dev/sda
size=100%
iodepth=4
```

```
[job1]
filename=/dev/sdb
size=100%
iodepth=4
```

```
[job2]
filename=/dev/sdc
size=100%
iodepth=4
```

```
[job3]
filename=/dev/sdd
```

size=100%
iodepth=4

[job4]
filename=/dev/sde
size=100%
iodepth=4

[job5]
filename=/dev/sdf
size=100%
iodepth=4

[job6]
filename=/dev/sdg
size=100%
iodepth=4

[job7]
filename=/dev/sdh
size=100%
iodepth=4