

# Scalebench General Report

scalebench <support@scalebench.com>

### AWS / ip-172-31-33-144.us-west-2.compute.internal

(city unknown) Oregon United States

2020-05-12 08:16:09

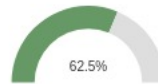
run id: 632

report tag: [m5a.4xlarge](#) edit

cpu



memory



[View PDF report](#)  
fileio



### AWS / ip-172-31-38-139.us-west-2.compute.internal

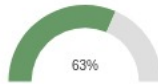
(city unknown) Oregon United States

2020-05-12 08:15:49

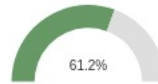
run id: 631

report tag: [m5.4xlarge](#) edit

cpu



memory



fileio

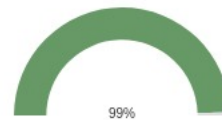


## CPU

### AWS / ip-172-31-33-144.us-west-2.compute.internal

virtual cores: 16  
cpu speed: 2468.86 MHz  
cpu model: AMD EPYC 7571  
cpu cache: L1d 32 / L1i 64 / L2 512 / L3 8192

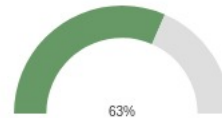
run id: 632  
report tag: [m5a.4xlarge](#)



### AWS / ip-172-31-38-139.us-west-2.compute.internal

virtual cores: 16  
cpu speed: 3102.43 MHz  
cpu model: Intel(R) Xeon(R) Platinum 8175M CPU @ 2.50GHz  
cpu cache: L1d 32 / L1i 32 / L2 1024 / L3 33792

run id: 631  
report tag: [m5.4xlarge](#)



### CPU performance vs. various averages

1 threads		13616.41 events/s
1 threads		10026.38 events/s
global (avg.)		9452.41 events/s

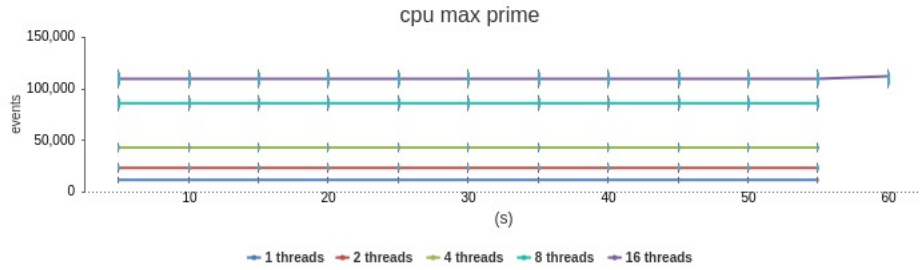
\* averages are scalebench results based on the same core count and testing thread count = total core count

### CPU performance vs. threads

1 threads		10026.38 events/s
1 threads		13616.41 events/s
2 threads		20007.50 events/s
2 threads		27164.90 events/s
4 threads		40037.57 events/s
4 threads		46437.69 events/s
8 threads		80060.20 events/s
8 threads		92836.79 events/s
16 threads		117519.34 events/s
16 threads		102164.70 events/s



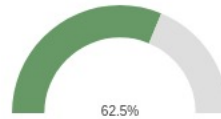
### CPU performance vs. over time



## Memory

### AWS / ip-172-31-33-144.us-west-2.compute.internal

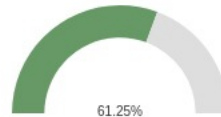
total memory: 61.80 GB  
 total swap: 0.00 GB  
 hugepage size: 2.00 MB  
 hugepages total: 0.00 GB



run id: 632  
 report tag: [m5a.4xlarge](#)

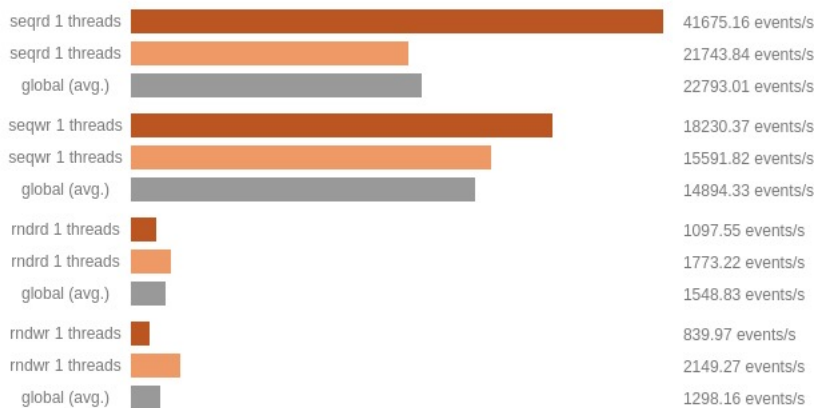
### AWS / ip-172-31-38-139.us-west-2.compute.internal

total memory: 61.47 GB  
 total swap: 0.00 GB  
 hugepage size: 2.00 MB  
 hugepages total: 0.00 GB



run id: 631  
 report tag: [m5.4xlarge](#)

### Memory performance vs. various averages



\* averages are scalebench results based on the same memory size and testing thread count = total core count

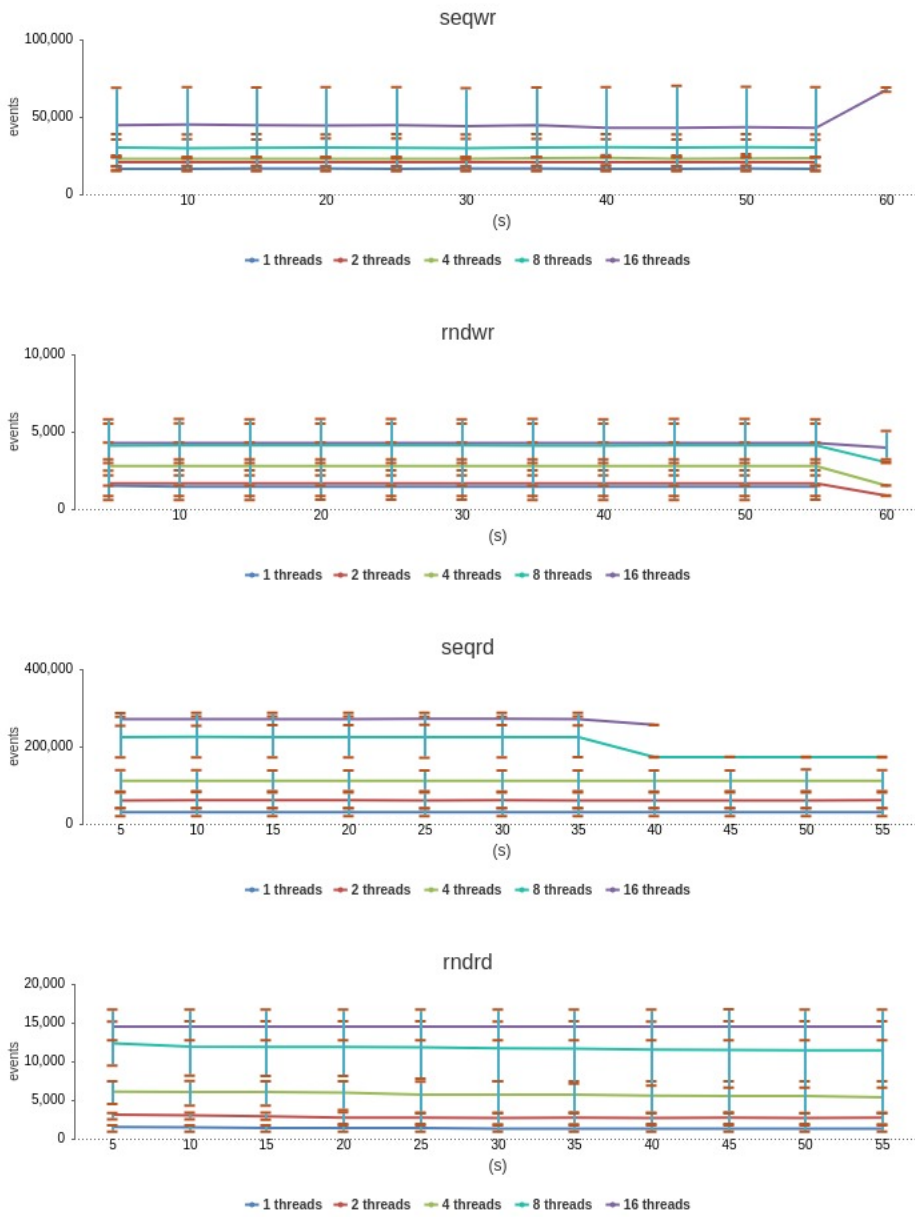
### Memory performance vs. threads (test thread count performed from 1 to 4x CPU virtual cores)

seqwr 1 threads	15591.82 events/s
seqwr 1 threads	18230.37 events/s
seqwr 2 threads	19106.62 events/s
seqwr 2 threads	23143.95 events/s
seqwr 4 threads	27200.57 events/s
seqwr 4 threads	19774.93 events/s
seqwr 8 threads	31547.56 events/s
seqwr 8 threads	29587.42 events/s
seqwr 16 threads	62551.76 events/s
seqwr 16 threads	26153.07 events/s
seqwr 32 threads	61815.65 events/s
seqwr 32 threads	25784.16 events/s
seqwr 64 threads	60391.66 events/s
seqwr 64 threads	27027.91 events/s
rndwr 1 threads	2149.27 events/s
rndwr 1 threads	839.97 events/s
rndwr 2 threads	2507.81 events/s
rndwr 2 threads	902.46 events/s
rndwr 4 threads	4019.92 events/s
rndwr 4 threads	1608.88 events/s
rndwr 8 threads	5251.84 events/s
rndwr 8 threads	3047.96 events/s
rndwr 16 threads	5346.58 events/s
rndwr 16 threads	3275.36 events/s
rndwr 32 threads	5344.73 events/s
rndwr 32 threads	3217.87 events/s
rndwr 64 threads	5341.31 events/s
rndwr 64 threads	3212.75 events/s
seqrd 1 threads	21743.84 events/s
seqrd 1 threads	41675.16 events/s
seqrd 2 threads	42549.51 events/s
seqrd 2 threads	82399.61 events/s
seqrd 4 threads	86528.22 events/s
seqrd 4 threads	139585.15 events/s
seqrd 8 threads	173938.12 events/s
seqrd 8 threads	268865.64 events/s
seqrd 16 threads	255750.24 events/s
seqrd 16 threads	283398.91 events/s
seqrd 32 threads	255750.24 events/s
seqrd 32 threads	291271.11 events/s
seqrd 64 threads	249660.95 events/s
seqrd 64 threads	288647.04 events/s
mdrd 1 threads	1773.22 events/s
mdrd 1 threads	1097.55 events/s
mdrd 2 threads	3392.05 events/s
mdrd 2 threads	2319.72 events/s
mdrd 4 threads	7366.18 events/s
mdrd 4 threads	4216.77 events/s
mdrd 8 threads	14883.60 events/s
mdrd 8 threads	8651.28 events/s
mdrd 16 threads	16318.27 events/s
mdrd 16 threads	12810.23 events/s
mdrd 32 threads	16032.48 events/s
mdrd 32 threads	11111.11 events/s

mra 32 threads ■  
 mrd 64 threads ■  
 mrd 64 threads ■

12803.37 events/s  
 16269.29 events/s  
 12817.01 events/s

### Memory performance vs. over time

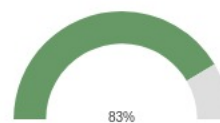


## Storage

■ AWS / ip-172-31-33-144.us-west-2.compute.internal

disk name: nvme0n1p1  
 disk size: 1023.00 GB  
 disk fs: xfs  
 raid level:

run id: 632  
 report tag: [m5a.4xlarge](#)



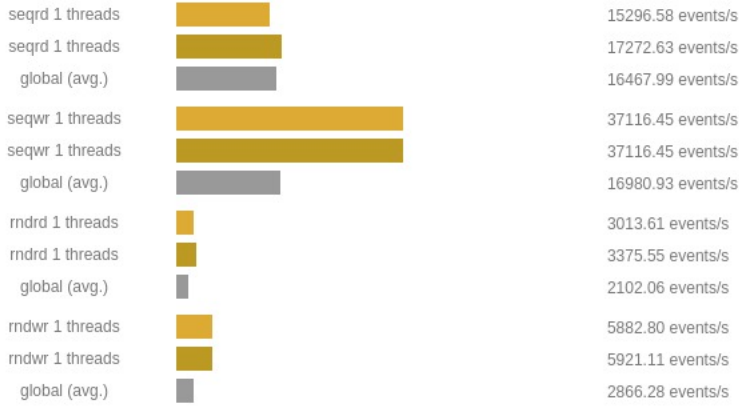
**AWS / ip-172-31-38-139.us-west-2.compute.internal**

disk name: nvme0n1p1  
disk size: 1023.00 GB  
disk fs: xfs  
raid level:

run id: 631  
report tag: m5.4xlarge

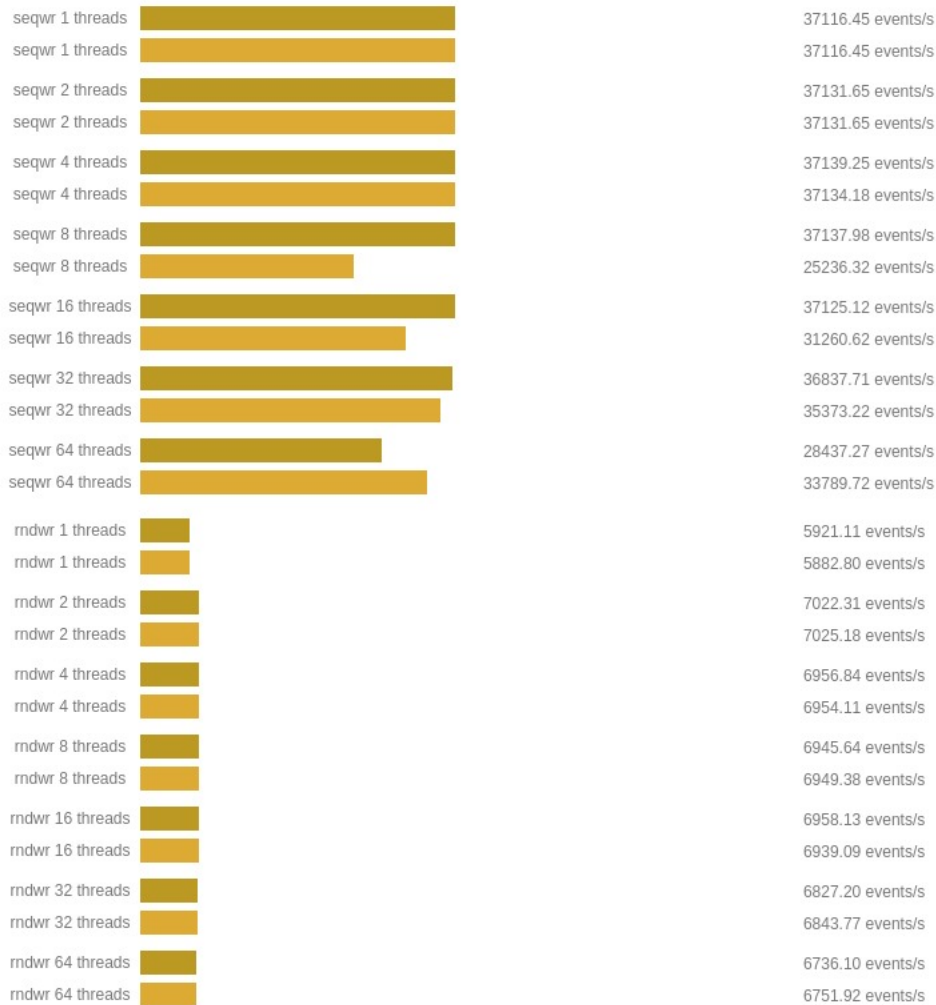


**Disk performance vs. various averages**



\* averages are scalebench results based on the same disk size and testing thread count = total core count

**Storage performance vs. threads** (test thread count performed from 1 to 4x CPU virtual cores)



seqrd 1 threads		17272.63 events/s
seqrd 1 threads		15296.58 events/s
seqrd 2 threads		34126.19 events/s
seqrd 2 threads		30435.08 events/s
seqrd 4 threads		50930.68 events/s
seqrd 4 threads		45645.43 events/s
seqrd 8 threads		67110.26 events/s
seqrd 8 threads		62318.07 events/s
seqrd 16 threads		72039.48 events/s
seqrd 16 threads		75834.85 events/s
seqrd 32 threads		49003.38 events/s
seqrd 32 threads		40295.41 events/s
seqrd 64 threads		47113.56 events/s
seqrd 64 threads		57428.93 events/s
rndrd 1 threads		3375.55 events/s
rndrd 1 threads		3013.61 events/s
rndrd 2 threads		4640.78 events/s
rndrd 2 threads		4637.15 events/s
rndrd 4 threads		4589.86 events/s
rndrd 4 threads		4601.56 events/s
rndrd 8 threads		4613.87 events/s
rndrd 8 threads		4603.38 events/s
rndrd 16 threads		4614.63 events/s
rndrd 16 threads		4621.39 events/s
rndrd 32 threads		4635.01 events/s
rndrd 32 threads		4662.94 events/s
rndrd 64 threads		4649.61 events/s
rndrd 64 threads		4633.86 events/s

### Disk performance vs. over time

