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z440-pts-iozone-ssd

Intel Xeon E5-1620 v3 testing with a HP 212B v1.01 and NVIDIA Quadro K620 2048MB on Fedora 24 via the Phoronix Test Suite.

Automated Executive Summary

z440-pts-iozone-ssd-1 had the most wins, coming in first place for 50% of the tests.

Based on the geometric mean of all complete results, the fastest (z440-pts-iozone-ssd-1) was 1.001x the speed of the slowest (z440-pts-iozone-ssd-2).

Test Systems:

z440-pts-iozone-ssd-1

z440-pts-iozone-ssd-2

Processor: Intel Xeon E5-1620 v3 @ 3.60GHz (8 Cores), Motherboard: HP 212B v1.01, Chipset: Intel Xeon E7 v3/Xeon,

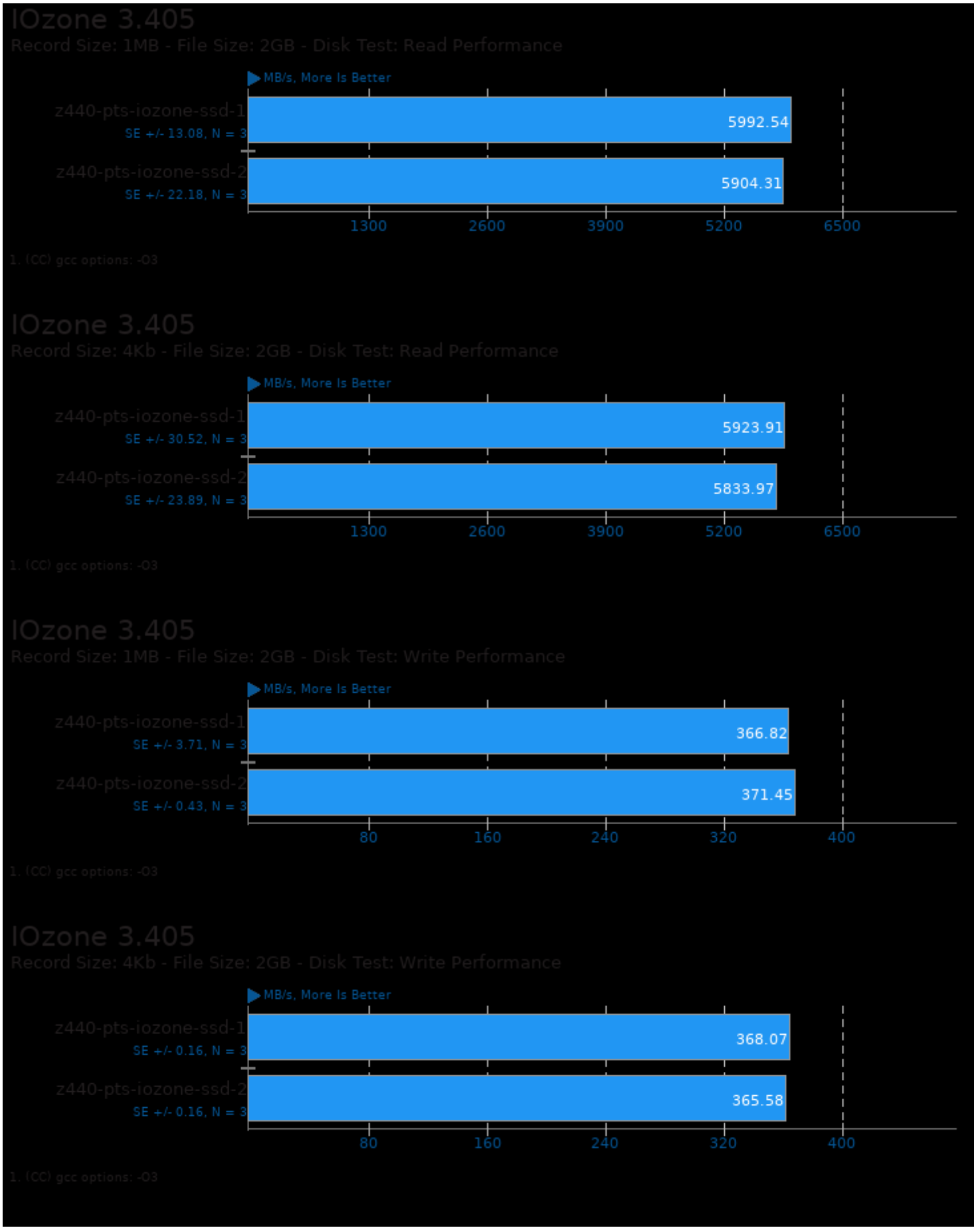
z440-pts-iozone-ssd

Memory: 4 x 8192 MB DDR4-2133MHz Samsung, Disk: 256GB MTFDDAK256MBF-1A + 1000GB Seagate ST1000DM003-1SB1, Graphics: NVIDIA Quadro K620 2048MB, Audio: Realtek ALC221, Monitor: S24E650, Network: Intel Connection

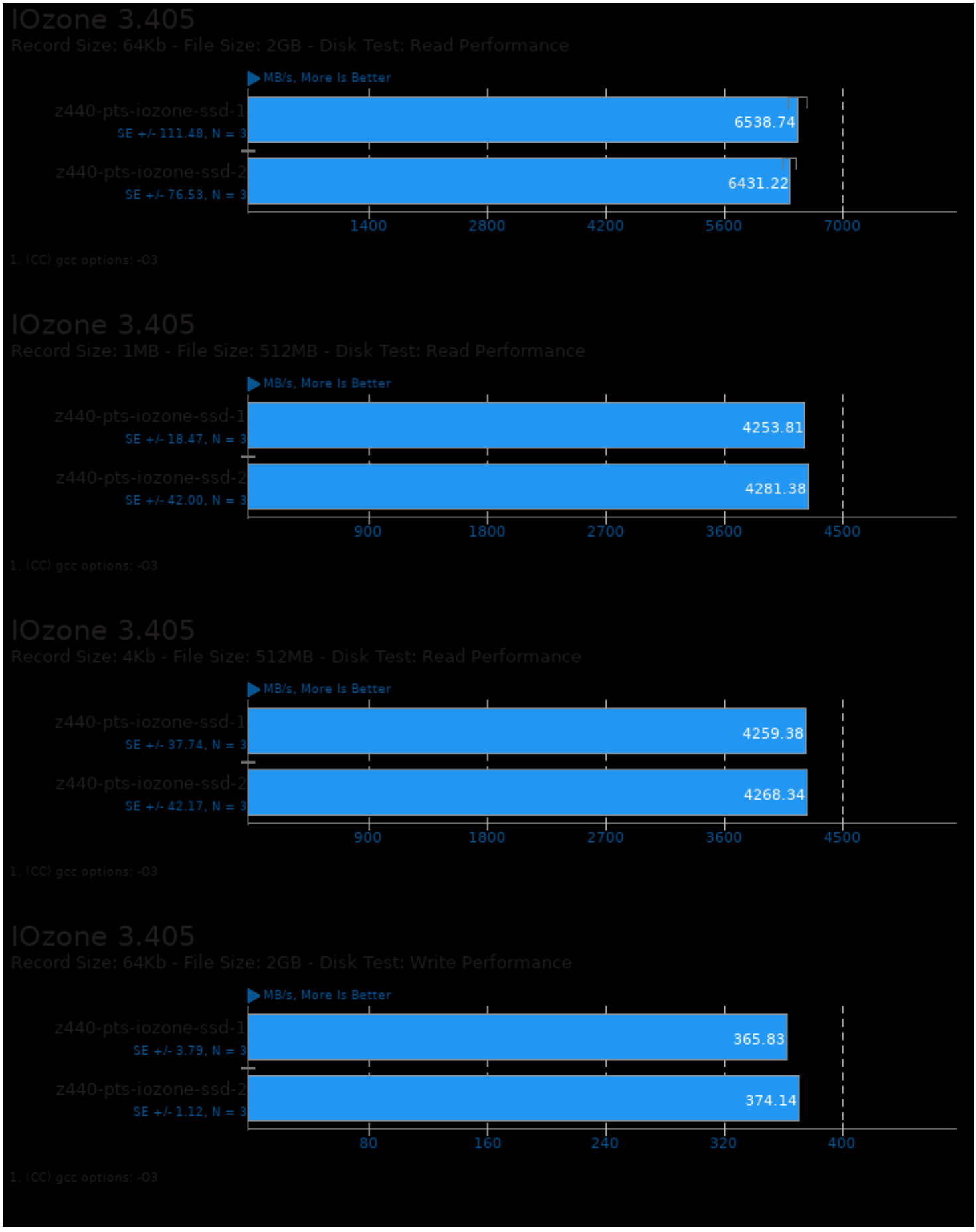
OS: Fedora 24, Kernel: 4.7.7-200.fc24.x86_64 (x86_64), Display Driver: nouveau 1.0.12, Compiler: GCC 6.2.1 20160916, File-System: ext4, Screen Resolution: 1920x1200

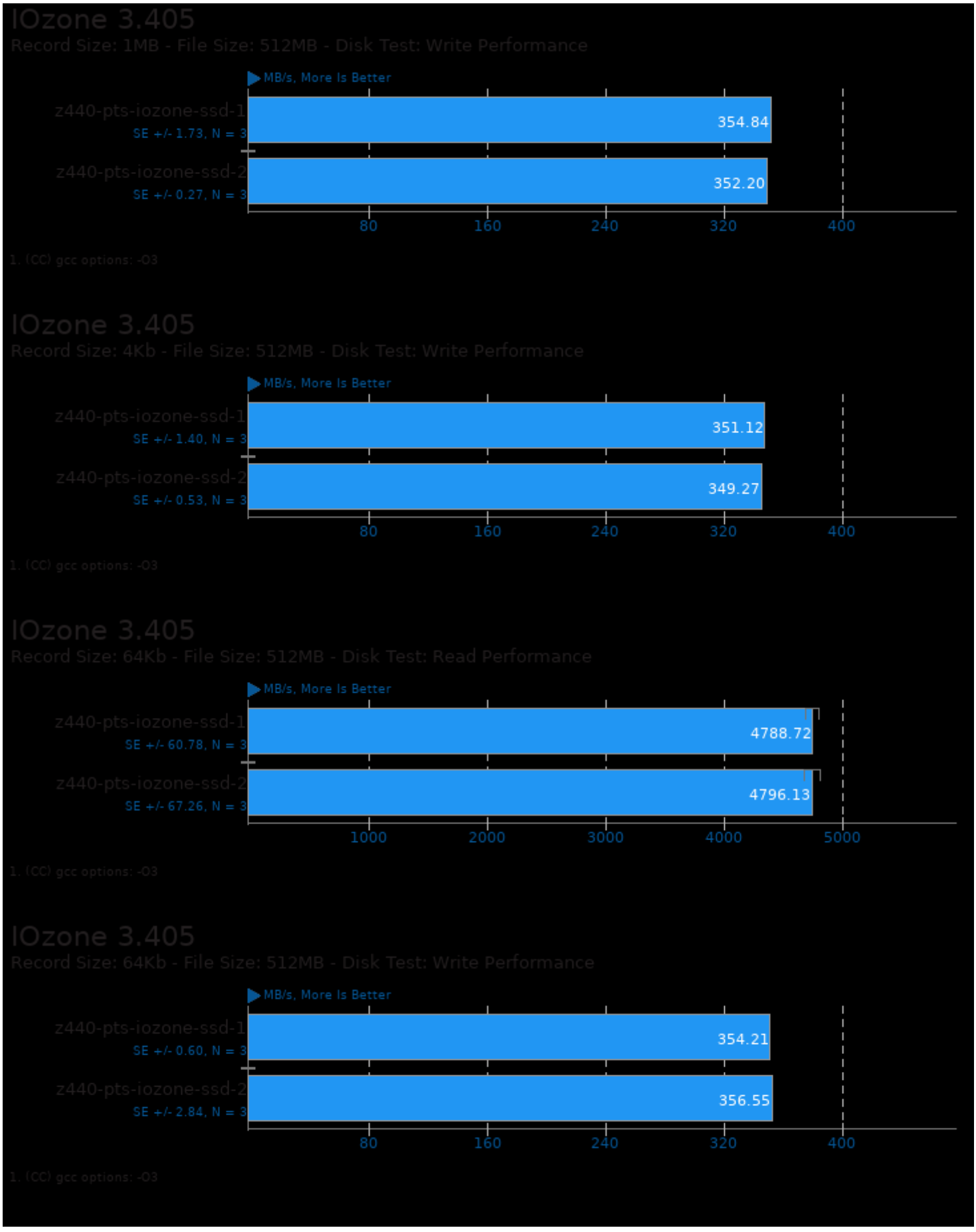
Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-isl --with-linker-hash-style=gnu --with-tune=generic
Disk Notes: CFQ / data=ordered,discard,relatime,rw,seclabel
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

	z440-pts-iozone-ssd-1	z440-pts-iozone-ssd-2
IOzone - 1MB - 2GB - Read Performance (MB/s)	**5993**	**5904**
Normalized	100%	98.53%
Standard Deviation	0.4%	0.7%
IOzone - 4Kb - 2GB - Read Performance (MB/s)	**5924**	**5834**
Normalized	100%	98.48%
Standard Deviation	0.9%	0.7%
IOzone - 1MB - 2GB - Write Performance (MB/s)	**366.82**	**371.45**
Normalized	98.75%	100%
Standard Deviation	1.7%	0.2%
IOzone - 4Kb - 2GB - Write Performance (MB/s)	**368.07**	**365.58**
Normalized	100%	99.32%
Standard Deviation	0.1%	0.1%
IOzone - 64Kb - 2GB - Read Performance (MB/s)	**6539**	**6431**
Normalized	100%	98.36%
Standard Deviation	3%	2.1%
IOzone - 1MB - 512MB - Read Performance (MB/s)	**4254**	**4281**
Normalized	99.36%	100%
Standard Deviation	0.8%	1.7%
IOzone - 4Kb - 512MB - Read Performance (MB/s)	**4259**	**4268**
Normalized	99.79%	100%
Standard Deviation	1.5%	1.7%
IOzone - 64Kb - 2GB - Write Performance (MB/s)	**365.83**	**374.14**
Normalized	97.78%	100%
Standard Deviation	1.8%	0.5%
IOzone - 1MB - 512MB - Write Performance (MB/s)	**354.84**	**352.20**
Normalized	100%	99.26%
Standard Deviation	0.8%	0.1%
IOzone - 4Kb - 512MB - Write Performance (MB/s)	**351.12**	**349.27**
Normalized	100%	99.47%
Standard Deviation	0.7%	0.3%
IOzone - 64Kb - 512MB - Read Performance (MB/s)	**4789**	**4796**
Normalized	99.85%	100%
Standard Deviation	2.2%	2.4%
IOzone - 64Kb - 512MB - Write Performance (MB/s)	**354.21**	**356.55**
Normalized	99.34%	100%
Standard Deviation	0.3%	1.4%


IOzone 3.405
Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 13.08, N = 3
5992.54
z440-pts-iozone-ssd-2
SE +/- 22.18, N = 3
5904.31
1300
2600
3900
5200
6500
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 4Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 30.52, N = 3
5923.91
z440-pts-iozone-ssd-2
SE +/- 23.89, N = 3
5833.97
1300
2600
3900
5200
6500
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 3.71, N = 3
366.82
z440-pts-iozone-ssd-2
SE +/- 0.43, N = 3
371.45
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 4Kb - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 0.16, N = 3
368.07
z440-pts-iozone-ssd-2
SE +/- 0.16, N = 3
365.58
80
160
240
320
400
1. (CC) gcc options: -O3

z440-pts-iozone-ssd




IOzone 3.405
Record Size: 1MB - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 1.73, N = 3
354.84
z440-pts-iozone-ssd-2
SE +/- 0.27, N = 3
352.20
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 1.40, N = 3
351.12
z440-pts-iozone-ssd-2
SE +/- 0.53, N = 3
349.27
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 64Kb - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 60.78, N = 3
4788.72
z440-pts-iozone-ssd-2
SE +/- 67.26, N = 3
4796.13
1000
2000
3000
4000
5000
1. (CC) gcc options: -O3
IOzone 3.405
Record Size: 64Kb - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
z440-pts-iozone-ssd-1
SE +/- 0.60, N = 3
354.21
z440-pts-iozone-ssd-2
SE +/- 2.84, N = 3
356.55
80
160
240
320
400
1. (CC) gcc options: -O3

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:15.