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del8499

Test on /tmp root-partition on system ssd

Automated Executive Summary

del8499_tmp_ssd had the most wins, coming in first place for 94% of the tests.

Based on the geometric mean of all complete results, the fastest (del8499_tmp_ssd) was 9.709x the speed of the slowest (del8499_des001).

The results with the greatest spread from best to worst included:

Threaded I/O Tester (64MB Random Read - 32 Threads) at 243.214x
Compile Bench (Test: Initial Create) at 167.907x
IOzone (8GB Read Performance) at 69.957x
Compile Bench (Test: Compile) at 54.116x
PostMark (Disk Transaction Performance) at 41.208x
Unpacking The Linux Kernel (linux-2.6.32.tar.bz2) at 31.527x
Dbench (128 Clients) at 12.785x
Dbench (1 Clients) at 5.826x
Apache Benchmark (Static Web Page Serving) at 1.649x
AIO-Stress (Random Write) at 1.012x.

Test Systems:

del8499_des001

Processor: Intel Xeon E5-1620 v3 @ 3.49GHz (8 Cores), Motherboard: HP 212B, Chipset: Intel Xeon E7 v3/Xeon, Memory: 2 x 16384 MB DDR4-2133MHz Micron, Disk: 256GB MTFDDAK256MBF-1A + 1000GB Seagate ST1000DM003-1ER1, Graphics: NVIDIA Quadro K2200, Audio: Intel C610/X99, Monitor: HP LP2065, Network: Intel Connection

OS: RedHatEnterpriseWorkstation 6.7, Kernel: 2.6.32-573.22.1.el6.x86_64 (x86_64), Desktop: KDE 4.3.4, Display Server: X Server 1.15.0, Compiler: GCC 4.4.7 20120313 + ICC, File-System: nfs

Compiler Notes: --build=x86_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgcj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-cloog --with-ppl --with-tune=generic
System Notes: Python 2.6.6.
Disk Scheduler Notes: CFQ

del8499_tmp_ssd

Processor: Intel Xeon E5-1620 v3 @ 3.49GHz (8 Cores), Motherboard: HP 212B, Chipset: Intel Xeon E7 v3/Xeon, Memory: 2 x 16384 MB DDR4-2133MHz Micron, Disk: 256GB MTFDDAK256MBF-1A + 1000GB Seagate ST1000DM003-1ER1, Graphics: NVIDIA Quadro K2200, Audio: Intel C610/X99, Monitor: HP LP2065, Network: Intel Connection

OS: RedHatEnterpriseWorkstation 6.7, Kernel: 2.6.32-573.22.1.el6.x86_64 (x86_64), Desktop: KDE 4.3.4, Display Server: X Server 1.15.0, OpenGL: 1.4 (2.1 Mesa 10.4.3), Compiler: GCC 4.4.7 20120313 + ICC, File-System: ext4, Screen Resolution: 1600x1200

Compiler Notes: --build=x86_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgcj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-cloog --with-ppl --with-tune=generic
Disk Notes: CFQ / barrier=1,data=ordered,relatime,rw
System Notes: Python 2.6.6.

	del8499_des001	del8499_tmp_ssd
AIO-Stress - Rand Write (MB/s)	**3037**	**3000**
Normalized	100%	98.78%
Standard Deviation	2.6%	0.6%
SQLite - T.S.I (sec)	**138.59**	**92.28**
Normalized	66.58%	100%
Standard Deviation	1.7%	11.4%
FS-Mark - 1.F.1.S (Files/s)	**55.06**	**128.48**
Normalized	42.85%	100%
Standard Deviation	3.3%	17.1%
Dbench - 12 Clients (MB/s)	**55.99**	**383.35**
Normalized	14.61%	100%
Standard Deviation	0.9%	13.3%
Dbench - 48 Clients (MB/s)	**61.19**	**705.11**
Normalized	8.68%	100%
Standard Deviation	3%	12.1%

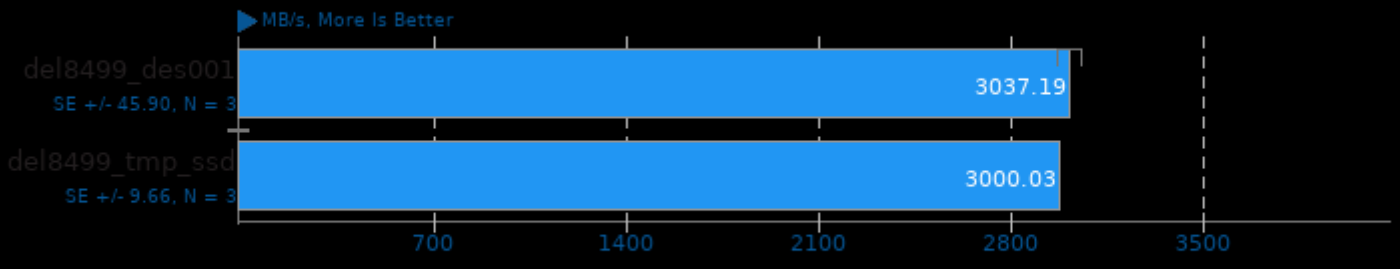
del8499

Dbench - 128 Clients (MB/s)	**62.56**	**799.83**
Normalized	7.82%	100%
Standard Deviation	2%	2%
Dbench - 1 Clients (MB/s)	**9.90**	**57.68**
Normalized	17.16%	100%
Standard Deviation	3.3%	1.7%
IOzone - 8.R.P (MB/s)	**109.65**	**7671**
Normalized	1.43%	100%
Standard Deviation	0.1%	0.5%
IOzone - 8.W.P (MB/s)	**107.78**	**159.59**
Normalized	67.54%	100%
Standard Deviation	1.5%	15.2%
Threaded I/O Tester - 64MB Rand Read - 32 Threads (MB/s)	**35.98**	**8751**
Normalized	0.41%	100%
Standard Deviation	1.1%	2.6%
Threaded I/O Tester - 64MB Rand Write - 32 Threads (MB/s)	**18.88**	**19.87**
Normalized	95.02%	100%
Standard Deviation	0.4%	11%
Compile Bench - Compile (MB/s)	**28.69**	**1553**
Normalized	1.85%	100%
Standard Deviation	1.2%	5.6%
Compile Bench - Initial Create (MB/s)	**2.16**	**362.68**
Normalized	0.6%	100%
Standard Deviation	2%	1.2%
Compile Bench - Read Compiled Tree (MB/s)	**16.42**	**835.93**
Normalized	1.96%	100%
Standard Deviation	11.9%	1.2%
Unpacking The Linux Kernel - linux-2.6.32.tar.bz2	**284.06**	**9.01**
Normalized	3.17%	100%
Standard Deviation	2%	2.2%
PostMark - D.T.P (TPS)	**130**	**5357**
Normalized	2.43%	100%
Standard Deviation	0.8%	1.2%
Gzip Compression - 2.F.C (sec)	**12.89**	**11.72**
Normalized	90.92%	100%
Standard Deviation	22.4%	0.7%
Apache Benchmark - S.W.P.S (Reqs/sec)	**16765**	**27637**
Normalized	60.66%	100%
Standard Deviation	1.8%	0.5%

del8499

AIO-Stress 0.21

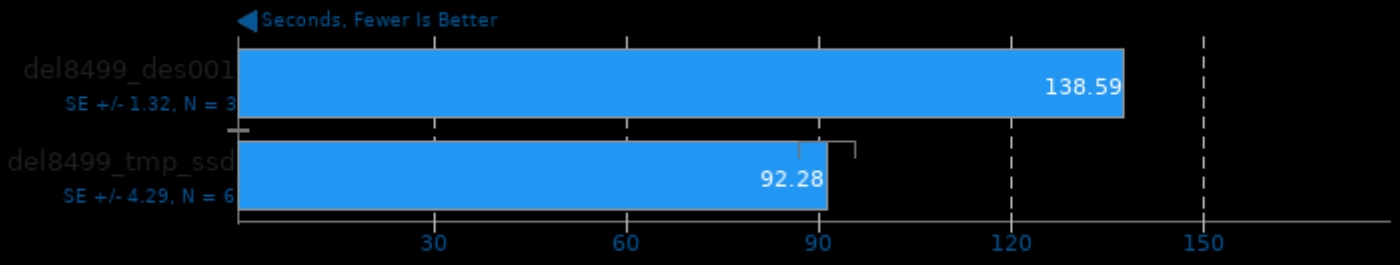
Random Write



1. (CC) gcc options: -pthread -laio

SQLite 3.8.10.2

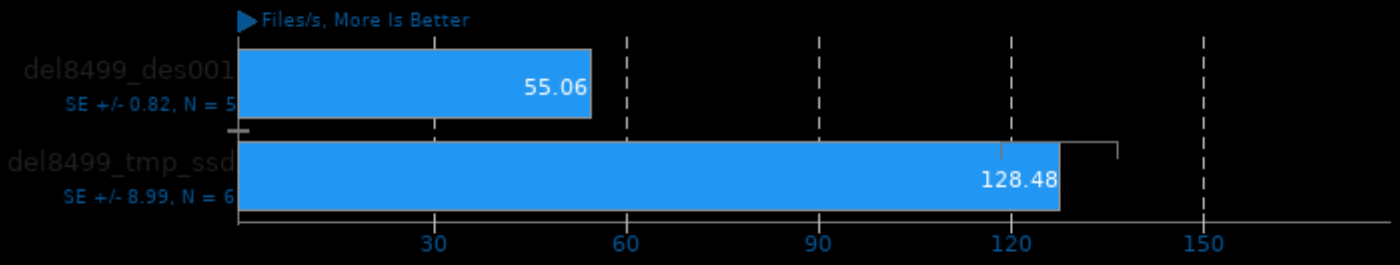
Timed SQLite Insertions



1. (CC) gcc options: -O2 -lreadline -lcurses -ldl -lpthread

FS-Mark 3.3

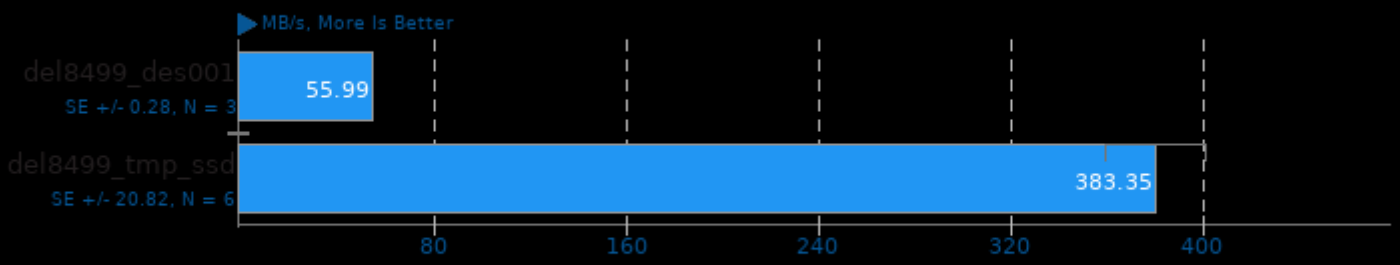
1000 Files, 1MB Size



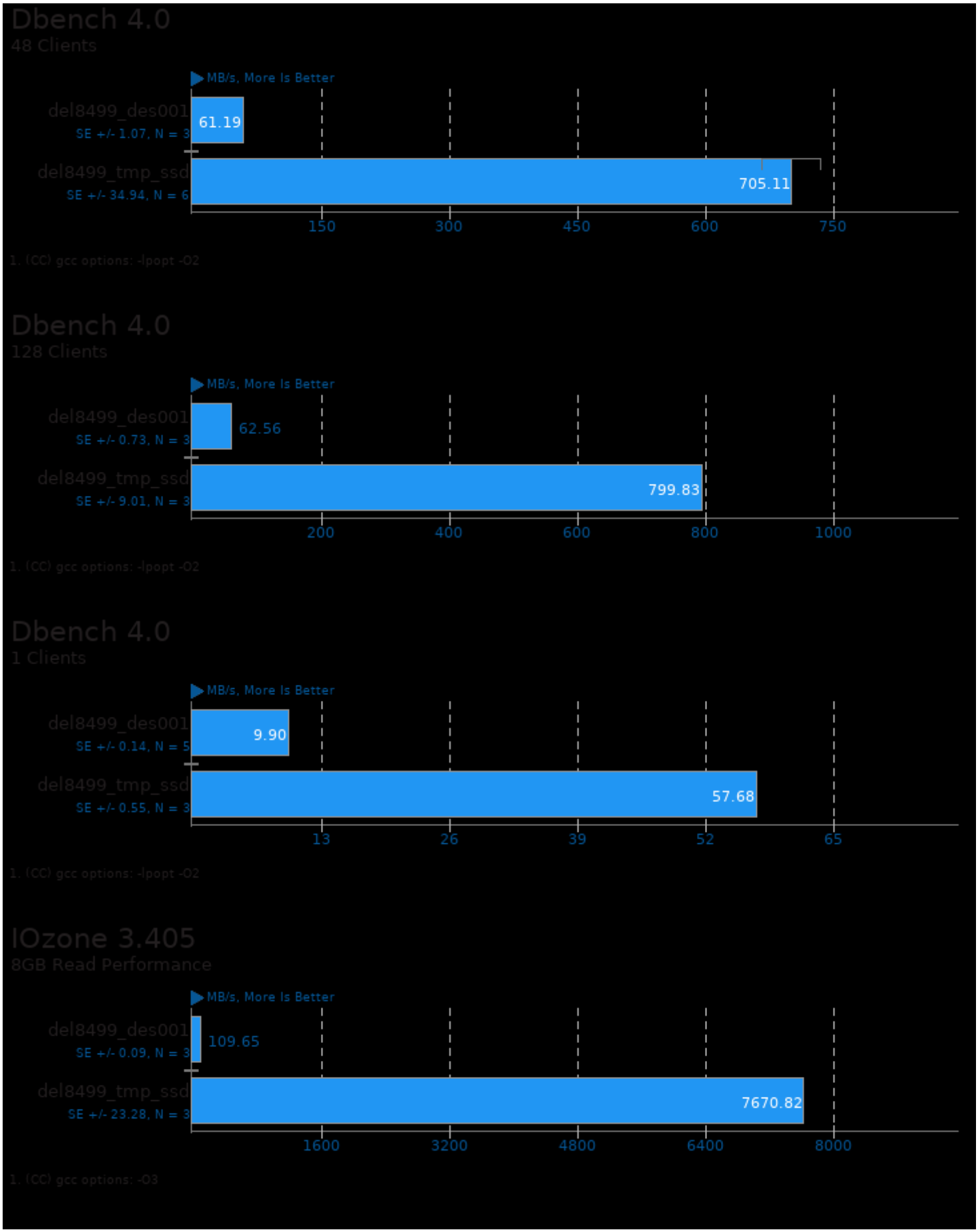
1. (CC) gcc options: -static

Dbench 4.0

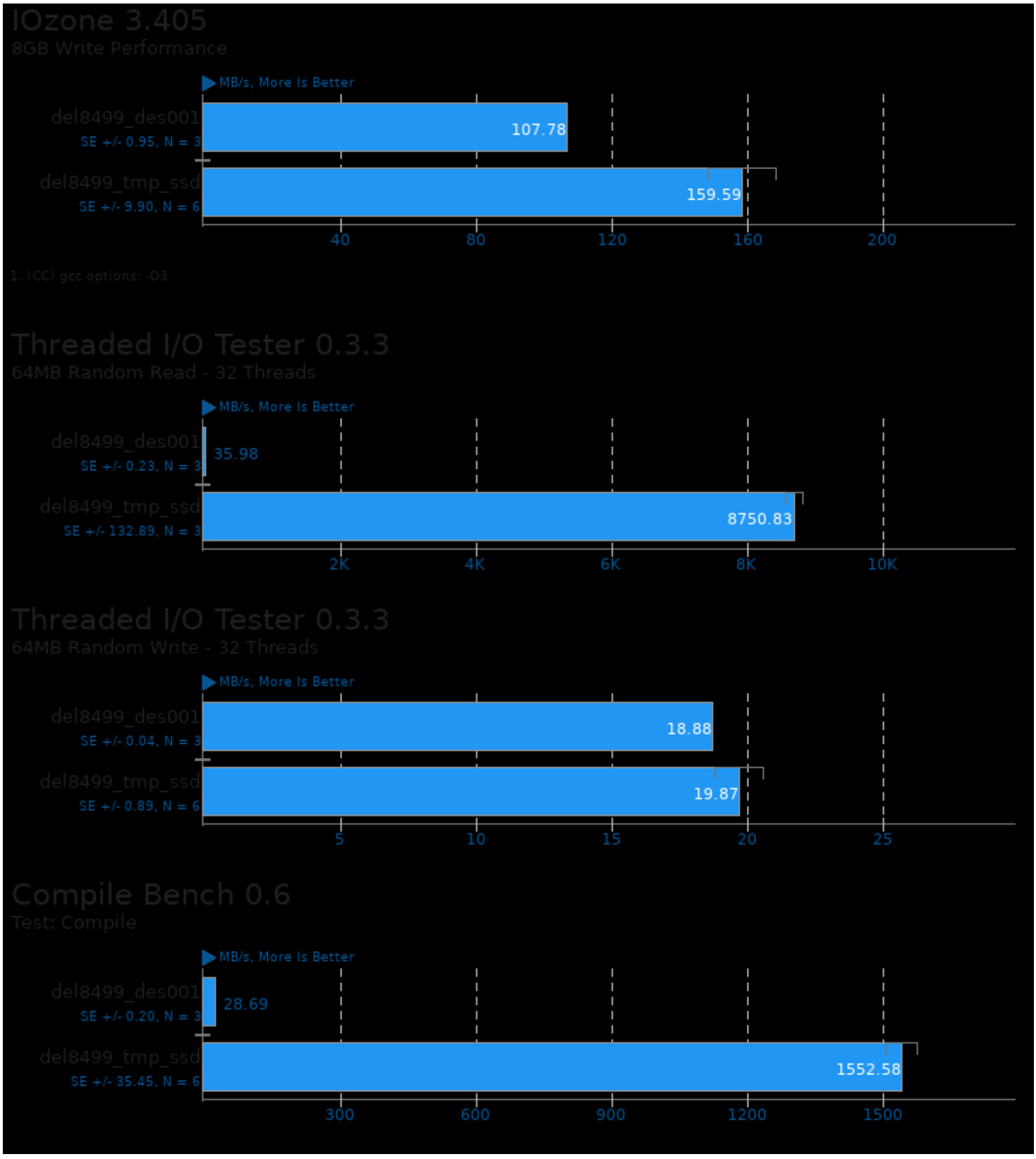
12 Clients



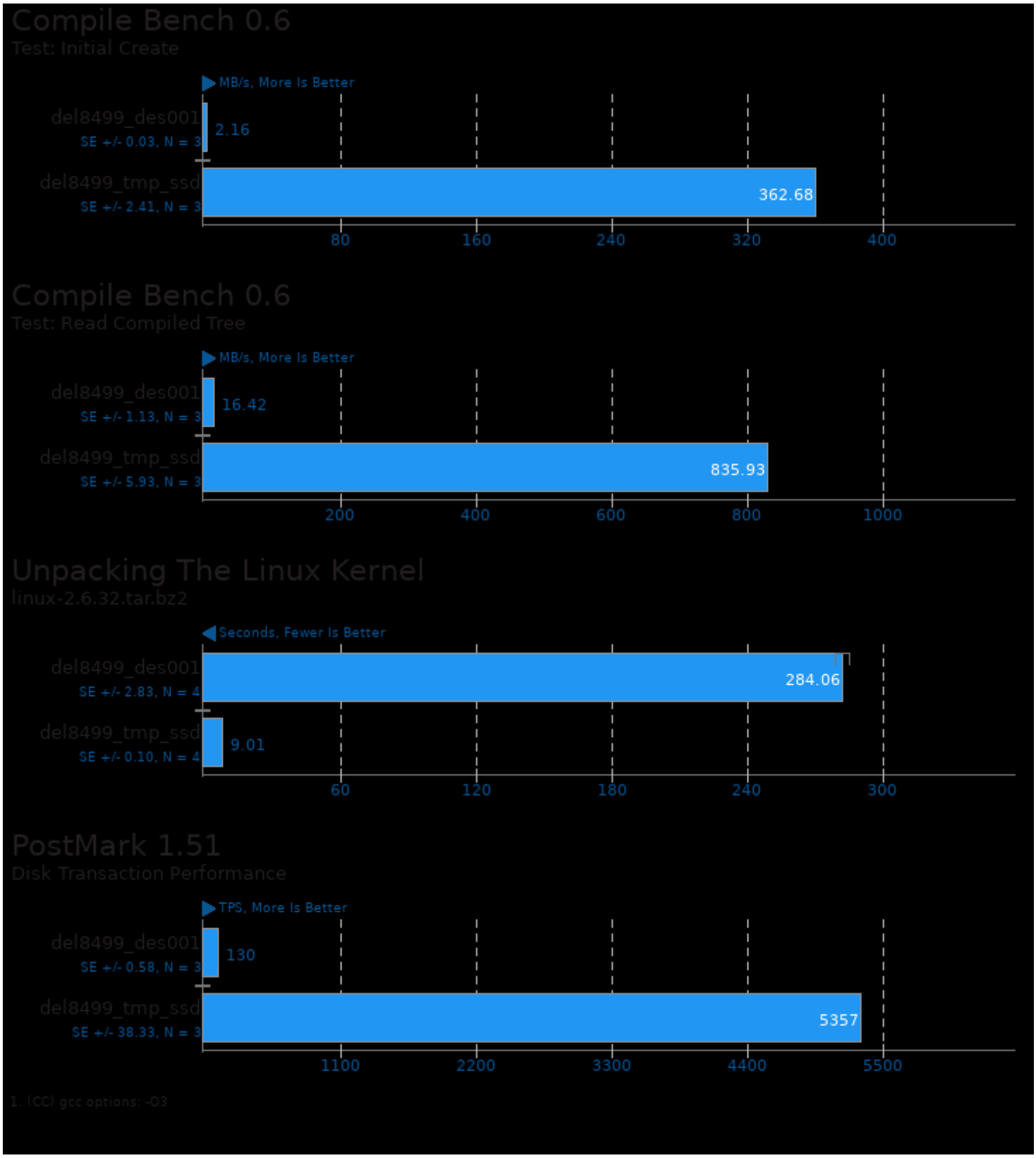
1. (CC) gcc options: -lpopt -O2


Dbench 4.0
48 Clients
MB/s, More Is Better
del8499_des001
SE +/- 1.07, N = 3
61.19
del8499_tmp_ssd
SE +/- 34.94, N = 6
705.11
150
300
450
600
750
1. (CC) gcc options: -lpopt -O2
Dbench 4.0
128 Clients
MB/s, More Is Better
del8499_des001
SE +/- 0.73, N = 3
62.56
del8499_tmp_ssd
SE +/- 9.01, N = 3
799.83
200
400
600
800
1000
1. (CC) gcc options: -lpopt -O2
Dbench 4.0
1 Clients
MB/s, More Is Better
del8499_des001
SE +/- 0.14, N = 5
9.90
del8499_tmp_ssd
SE +/- 0.55, N = 3
57.68
13
26
39
52
65
1. (CC) gcc options: -lpopt -O2
IOzone 3.405
8GB Read Performance
MB/s, More Is Better
del8499_des001
SE +/- 0.09, N = 3
109.65
del8499_tmp_ssd
SE +/- 23.28, N = 3
7670.82
1600
3200
4800
6400
8000
1. (CC) gcc options: -O3

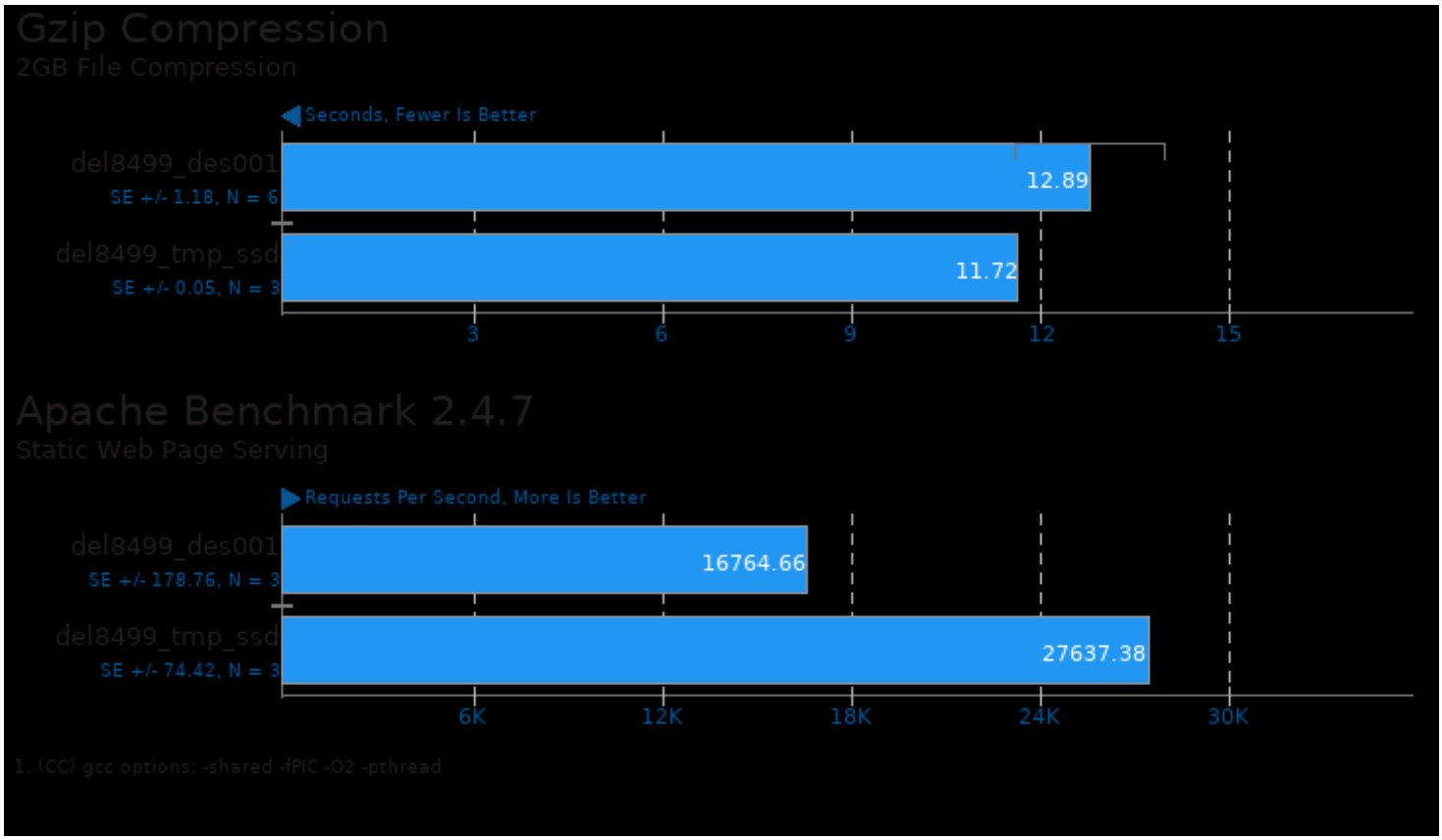
del8499


IOzone 3.405
8GB Write Performance
MB/s, More Is Better
del8499_des001
SE +/- 0.95, N = 3
107.78
del8499_tmp_ssd
SE +/- 9.90, N = 6
159.59
40
80
120
160
200
1. (CC) gcc options: -O3
Threaded I/O Tester 0.3.3
64MB Random Read - 32 Threads
MB/s, More Is Better
del8499_des001
SE +/- 0.23, N = 3
35.98
del8499_tmp_ssd
SE +/- 132.89, N = 3
8750.83
2K
4K
6K
8K
10K
Threaded I/O Tester 0.3.3
64MB Random Write - 32 Threads
MB/s, More Is Better
del8499_des001
SE +/- 0.04, N = 3
18.88
del8499_tmp_ssd
SE +/- 0.89, N = 6
19.87
5
10
15
20
25
Compile Bench 0.6
Test: Compile
MB/s, More Is Better
del8499_des001
SE +/- 0.20, N = 3
28.69
del8499_tmp_ssd
SE +/- 35.45, N = 6
1552.58
300
600
900
1200
1500

del8499

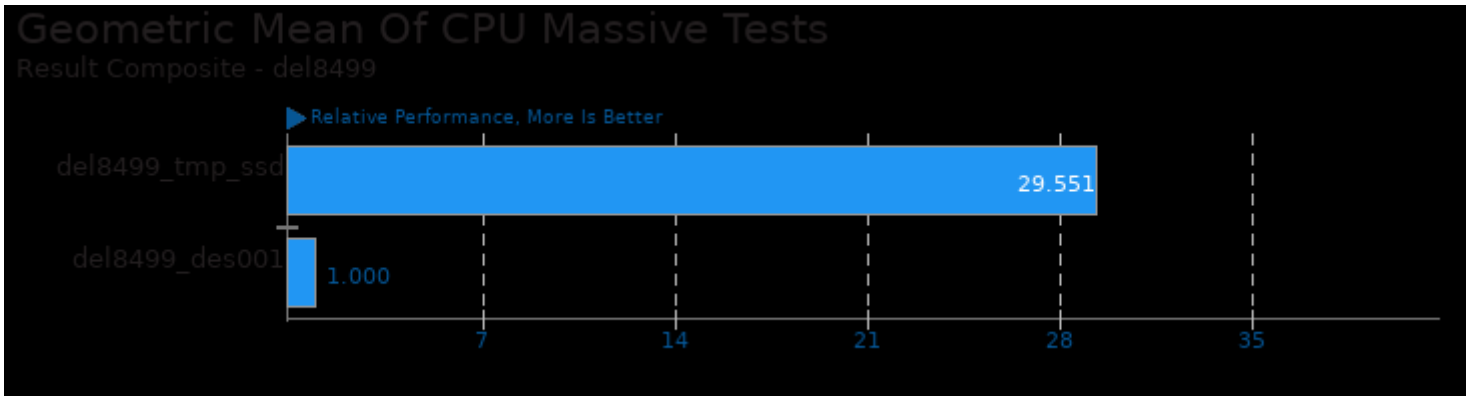

Compile Bench 0.6
Test: Initial Create
MB/s, More Is Better
del8499_des001
SE +/- 0.03, N = 3
2.16
del8499_tmp_ssd
SE +/- 2.41, N = 3
362.68
80
160
240
320
400
Compile Bench 0.6
Test: Read Compiled Tree
MB/s, More Is Better
del8499_des001
SE +/- 1.13, N = 3
16.42
del8499_tmp_ssd
SE +/- 5.93, N = 3
835.93
200
400
600
800
1000
Unpacking The Linux Kernel
linux-2.6.32.tar.bz2
Seconds, Fewer Is Better
del8499_des001
SE +/- 2.83, N = 4
284.06
del8499_tmp_ssd
SE +/- 0.10, N = 4
9.01
60
120
180
240
300
PostMark 1.51
Disk Transaction Performance
TPS, More Is Better
del8499_des001
SE +/- 0.58, N = 3
130
del8499_tmp_ssd
SE +/- 38.33, N = 3
5357
1100
2200
3300
4400
5500
1. (CC) gcc options: -O3

del8499

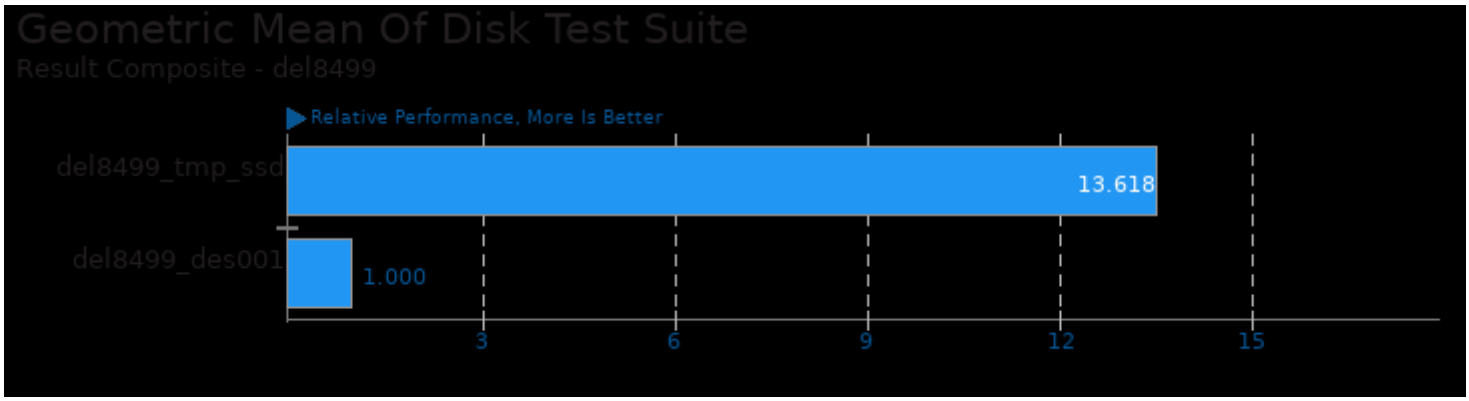

Gzip Compression
2GB File Compression
Seconds, Fewer Is Better
del8499_des001
SE +/- 1.18, N = 6
12.89
del8499_tmp_ssd
SE +/- 0.05, N = 3
11.72
3
6
9
12
15
Apache Benchmark 2.4.7
Static Web Page Serving
Requests Per Second, More Is Better
del8499_des001
SE +/- 178.76, N = 3
16764.66
del8499_tmp_ssd
SE +/- 74.42, N = 3
27637.38
6K
12K
18K
24K
30K
1. (CC) gcc options: -shared -fPIC -O2 -pthread

del8499

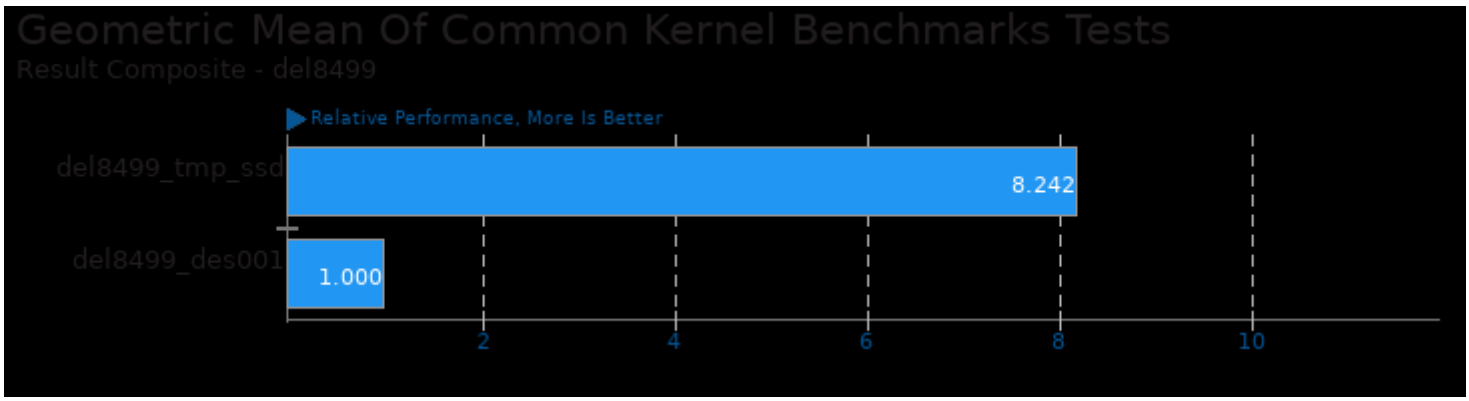
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/apache and pts/compilebench

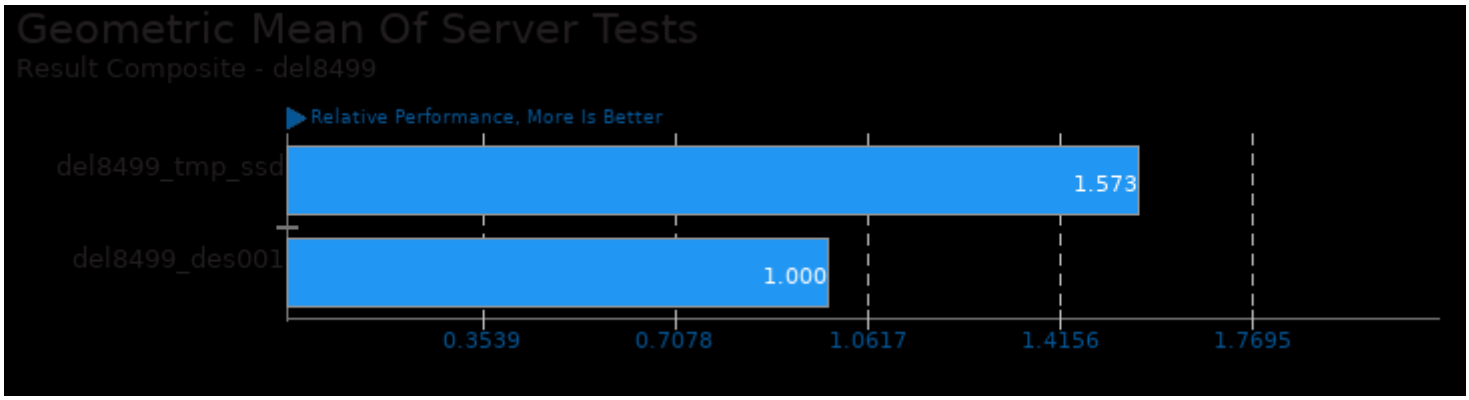


Geometric mean based upon tests: pts/sqlite, pts/fs-mark, pts/compilebench, pts/iozone, pts/dbench and pts/postmark



Geometric mean based upon tests: pts/apache and pts/postmark

del8499



Geometric mean based upon tests: pts/apache and pts/sqlite

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:30.