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mint-vmware, virtualbox-mint

Linux Mint 2CPU 2GB VMWare

virtualbox-mint: Linux-tests

Automated Executive Summary

mint-vmware1 had the most wins, coming in first place for 90% of the tests.

Based on the geometric mean of all complete results, the fastest (mint-vmware1) was 1.208x the speed of the slowest (virtualbox-mint1).

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

SQLite (12,500 INSERTs) at 2.912x
Dbench (12 Clients) at 2.227x
Apache Benchmark (Static Web Page Serving) at 2.2x
GnuPG (1GB File Encryption) at 1.477x
Minion (Solitaire) at 1.034x
FFmpeg (AVI To NTSC VCD) at 1.029x
Sudokut (Total Time) at 1.028x
Timed HMMer Search (Pfam Database Search) at 1.023x

POV-Ray (Total Time) at 1.023x
C-Ray (Total Time) at 1.019x.

Test Systems:

mint-vmware1

Processor: Intel Core i7 920 @ 2.67GHz (2 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 1 x 2048 MB, Disk: 11GB VMware Virtual S, Graphics: VMware SVGA II

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (x86_64), Desktop: GNOME 2.32.1, Display Server: X Server 1.10.1, Display Driver: vmware 11.0.3, OpenGL: 2.1 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: ext4, Screen Resolution: 1024x768

System Notes: Disk Scheduler: CFQ. Python 2.7.1+. This was using VMware virtualization.

virtualbox-mint1

Processor: Intel Core i7 920 @ 2.73GHz (2 Cores), Motherboard: innotek VirtualBox v1.2, Chipset: Intel 440FX - 82441FX PMC, Memory: 2048MB, Disk: 11GB VBOX HDD, Graphics: Chromium, Monitor: VBOX monitor

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (x86_64), Desktop: GNOME 2.32.1, Display Server: X Server 1.10.1, Display Driver: vboxvideo 1.0.1, OpenGL: 2.1, Compiler: GCC 4.5.2, File-System: ext4, Screen Resolution: 1280x960

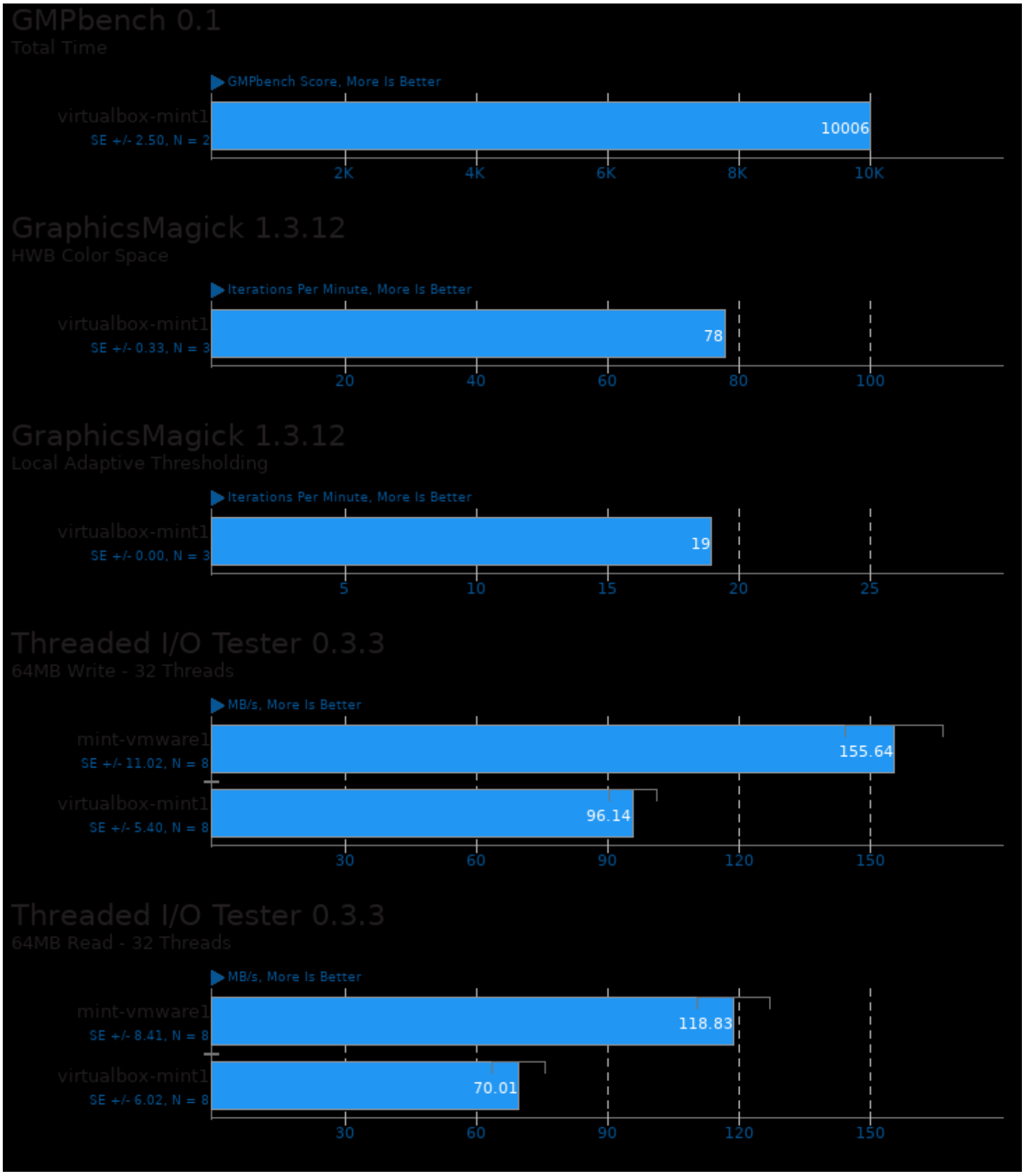
System Notes: Disk Scheduler: CFQ. Python 2.7.1+. Compiz was running on this system. This was using VirtualBox virtualization.

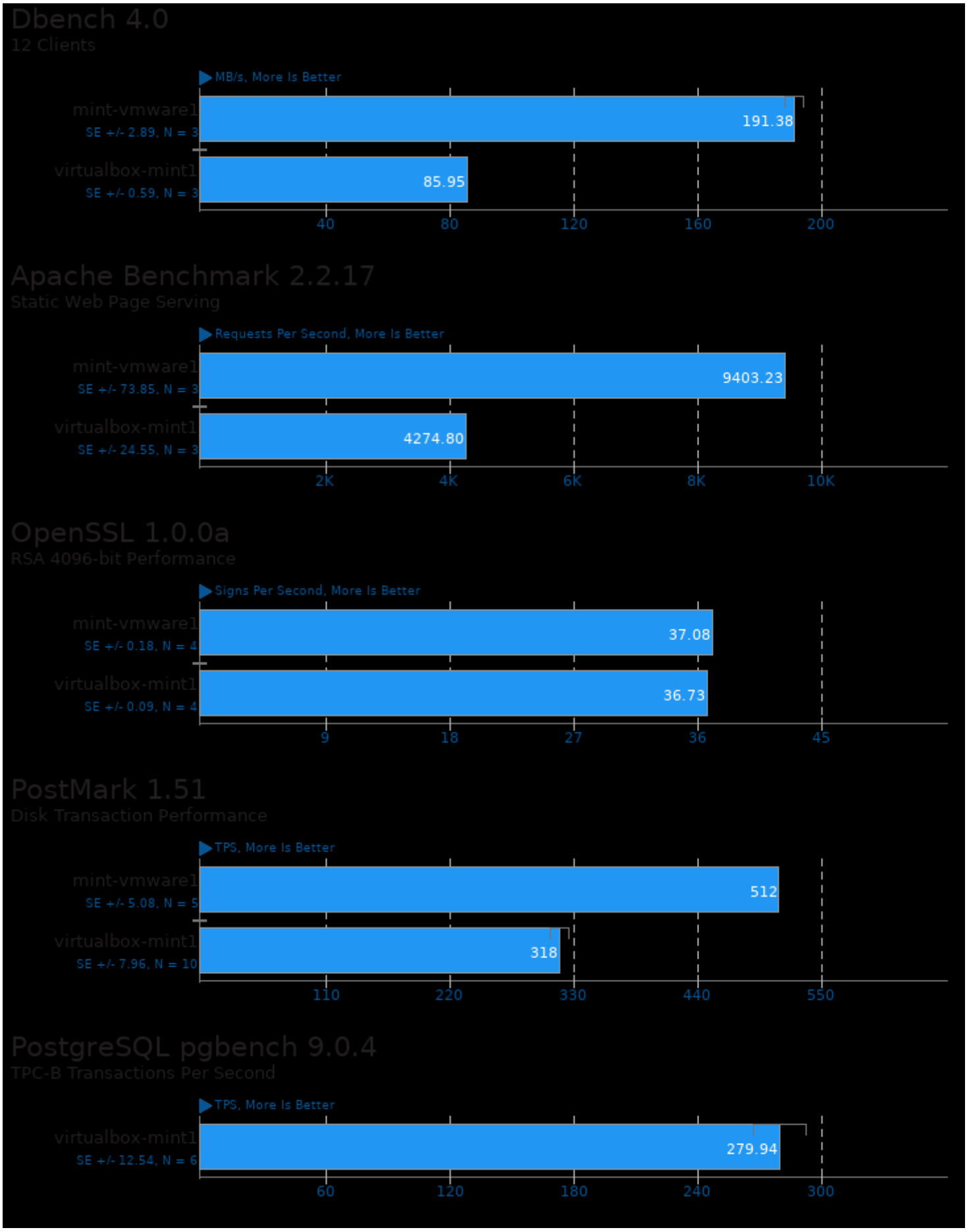
	mint-vmware1	virtualbox-mint1
GMPbench - Total Time (GMPbench Score)		10006
Standard Deviation		0%
GraphicsMagick - HWB Color Space (Iterations/min)		78
Standard Deviation		0.7%
GraphicsMagick - L.A.T (Iterations/min)		19
Standard Deviation		0%
Threaded I/O Tester - 64MB Write - 32 Threads (MB/s)	**155.64**	**96.14**
Normalized	100%	61.77%
Standard Deviation	20%	15.9%
Threaded I/O Tester - 64MB Read - 32 Threads (MB/s)	**118.83**	**70.01**
Normalized	100%	58.92%
Standard Deviation	20%	24.3%
Dbench - 12 Clients (MB/s)	**191.38**	**85.95**
Normalized	100%	44.91%
Standard Deviation	2.6%	1.2%
Apache Benchmark - S.W.P.S (Reqs/sec)	**9403**	**4275**

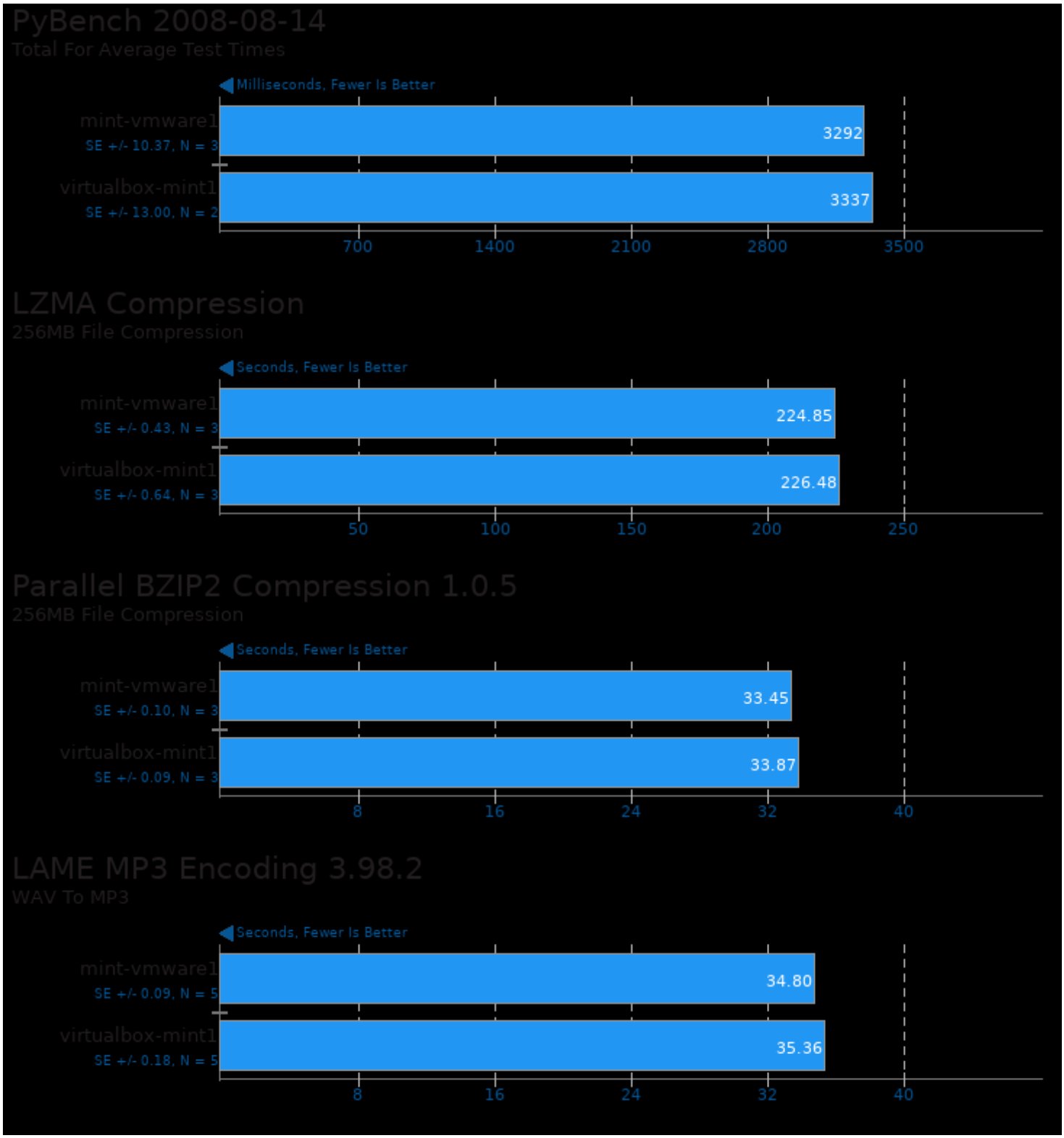
Normalized	100%	45.46%
Standard Deviation	1.4%	1%
OpenSSL - R.4.b.P (Signs/sec)	**37.08**	**36.73**
Normalized	100%	99.06%
Standard Deviation	0.9%	0.5%
PostMark - D.T.P (TPS)	**512**	**318**
Normalized	100%	62.11%
Standard Deviation	2.2%	7.9%
PostgreSQL pgbench - T.B.T.P.S (TPS)		279.94
Standard Deviation		11%
PyBench - T.F.A.T.T (Milliseconds)	**3292**	**3337**
Normalized	100%	98.65%
Standard Deviation	0.5%	0.6%
LZMA Compression - 2.F.C (sec)	**224.85**	**226.48**
Normalized	100%	99.28%
Standard Deviation	0.3%	0.5%
Parallel BZIP2 Compression - 2.F.C (sec)	**33.45**	**33.87**
Normalized	100%	98.76%
Standard Deviation	0.5%	0.5%
LAME MP3 Encoding - WAV To MP3 (sec)	**34.80**	**35.36**
Normalized	100%	98.42%
Standard Deviation	0.6%	1.1%
Ogg Encoding - WAV To Ogg (sec)	**16.26**	**16.52**
Normalized	100%	98.43%
Standard Deviation	0.8%	0.6%
FFmpeg - AVI To NTSC VCD (sec)	**19.32**	**19.88**
Normalized	100%	97.18%
Standard Deviation	1.8%	3%
GnuPG - 1.F.E (sec)	**22.62**	**15.31**
Normalized	67.68%	100%
Standard Deviation	1.9%	3.3%
C-Ray - Total Time (sec)	**178.95**	**182.40**
Normalized	100%	98.11%
Standard Deviation	0.3%	0.5%
POV-Ray - Total Time (sec)	**1126**	**1152**
Normalized	100%	97.74%
Timed MAFFT Alignment - M.S.A (sec)	**35.14**	**35.53**
Normalized	100%	98.9%
Standard Deviation	1%	0.5%
Timed HMMer Search - P.D.S (sec)	**48.65**	**49.78**
Normalized	100%	97.73%
Standard Deviation	2.7%	3.5%
Sudokut - Total Time (sec)	**36.35**	**37.36**
Normalized	100%	97.3%
Standard Deviation	0.4%	0.7%
dcraw - R.T.P.I.C (sec)	**37.17**	**36.28**
Normalized	97.61%	100%
Standard Deviation	6.5%	8.5%
Minion - Solitaire (sec)	**250.52**	**259.00**
Normalized	100%	96.73%
Standard Deviation	0.4%	0.1%
SQLite - 12,500 INSERTs (sec)	**87.36**	**254.40**
Normalized	100%	34.34%
Standard Deviation	1.5%	4.6%
Crafty - Elapsed Time (sec)		530.92

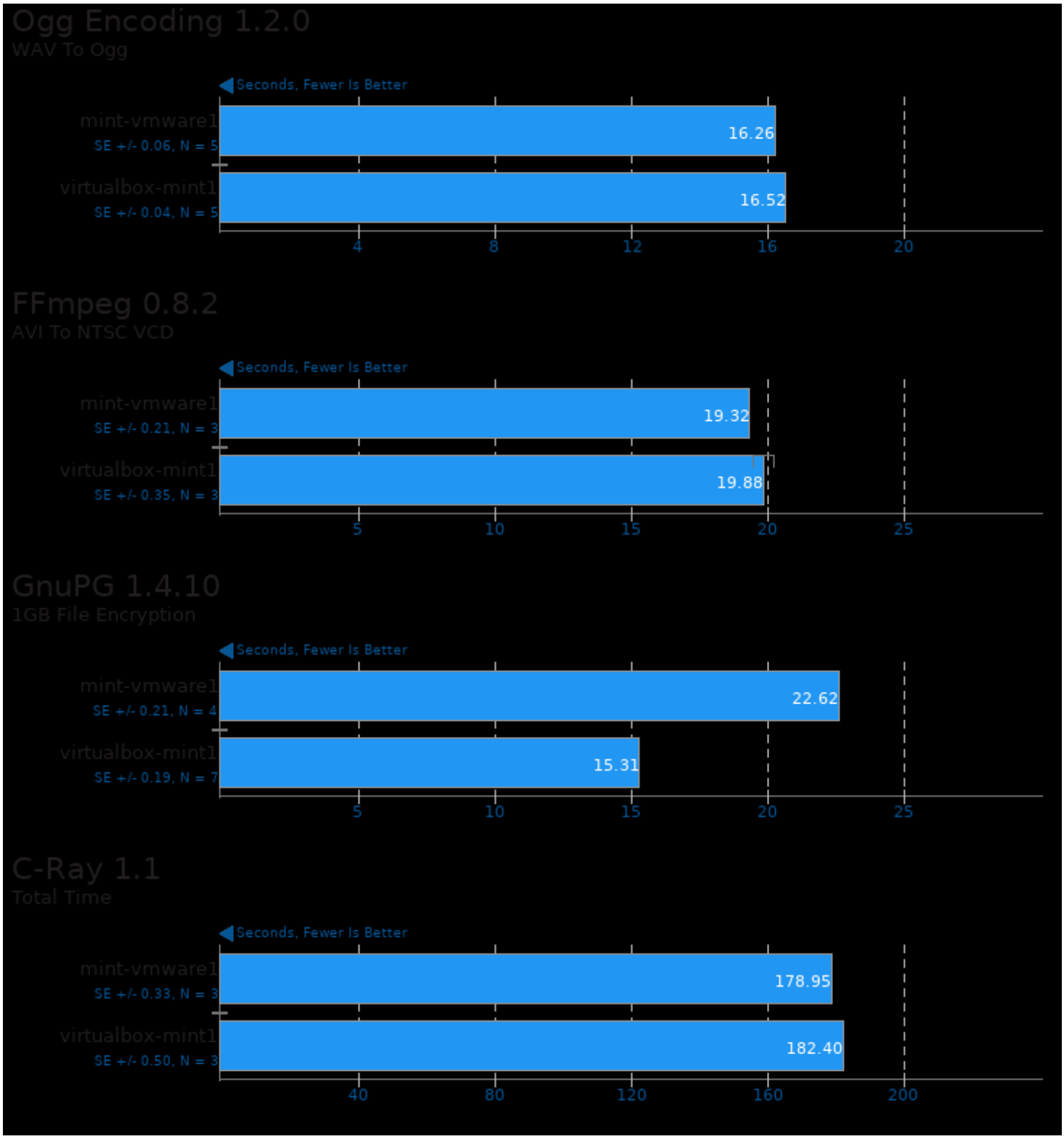
Standard Deviation	0.6%

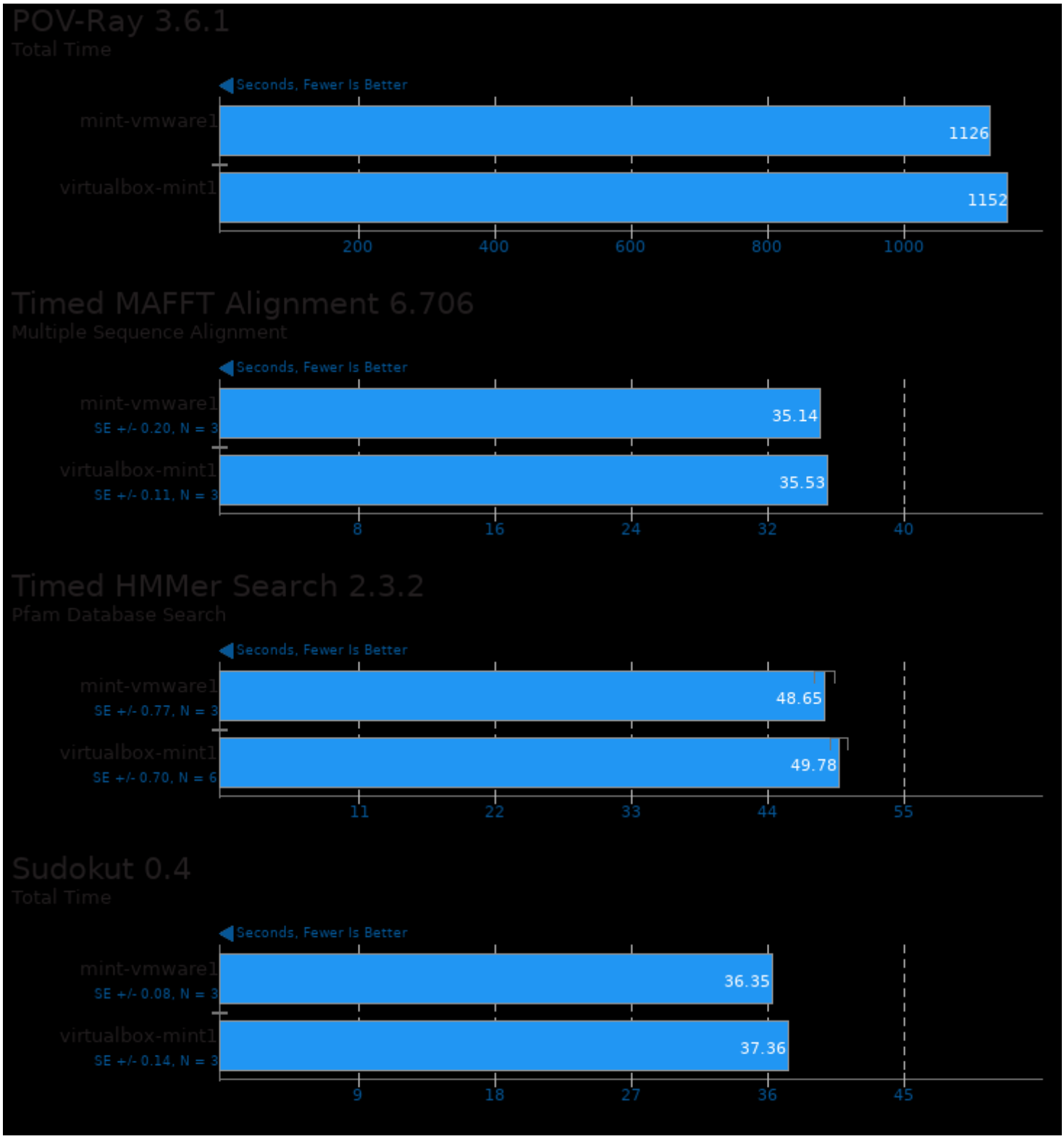
mint-vmware, virtualbox-mint



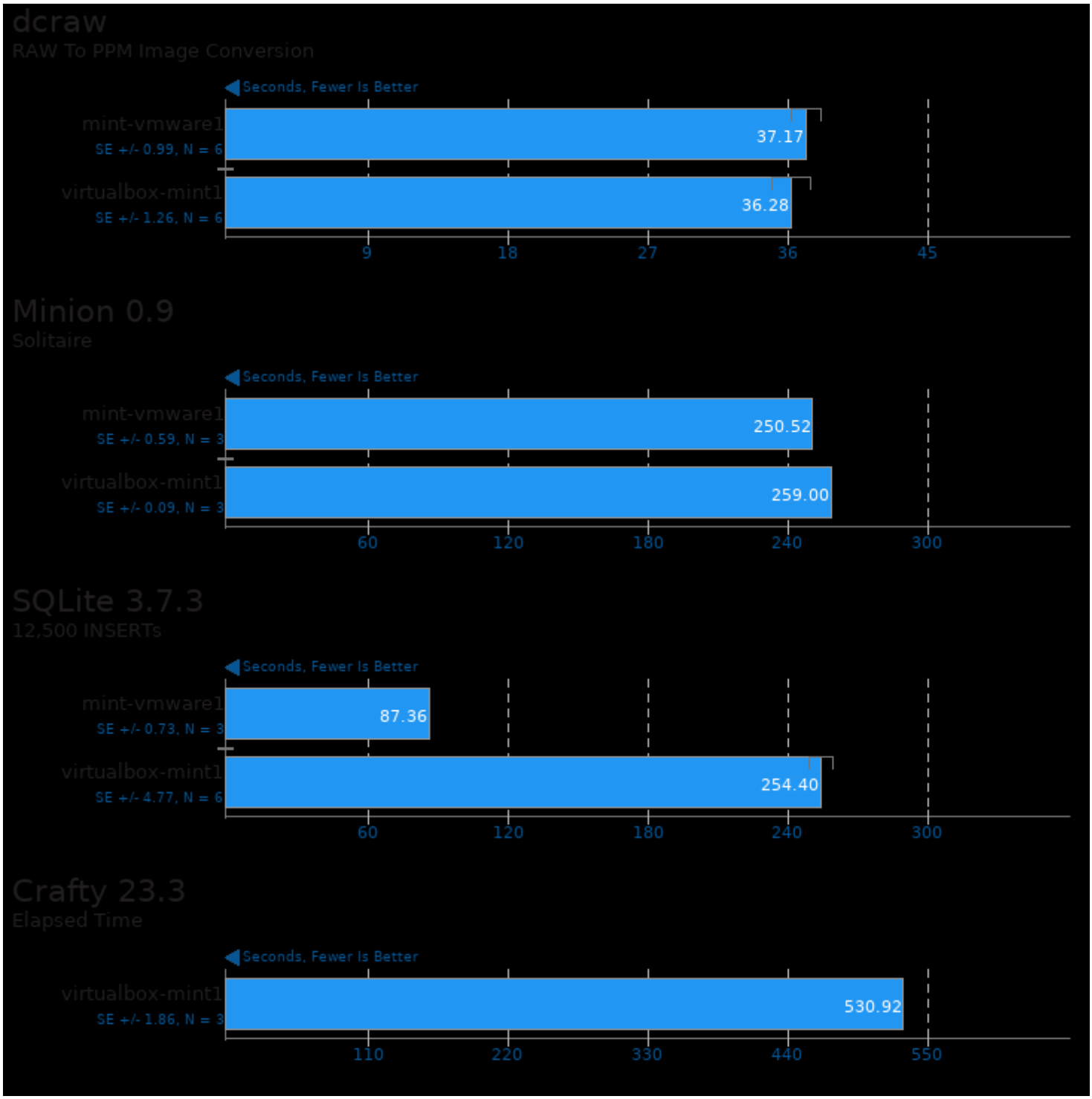

Dbench 4.0
12 Clients
MB/s, More Is Better
mint-vmware1
SE +/- 2.89, N = 3
191.38
virtualbox-mint1
SE +/- 0.59, N = 3
85.95
40
80
120
160
200
Apache Benchmark 2.2.17
Static Web Page Serving
Requests Per Second, More Is Better
mint-vmware1
SE +/- 73.85, N = 3
9403.23
virtualbox-mint1
SE +/- 24.55, N = 3
4274.80
2K
4K
6K
8K
10K
OpenSSL 1.0.0a
RSA 4096-bit Performance
Signs Per Second, More Is Better
mint-vmware1
SE +/- 0.18, N = 4
37.08
virtualbox-mint1
SE +/- 0.09, N = 4
36.73
9
18
27
36
45
PostMark 1.51
Disk Transaction Performance
TPS, More Is Better
mint-vmware1
SE +/- 5.08, N = 5
512
virtualbox-mint1
SE +/- 7.96, N = 10
318
110
220
330
440
550
PostgreSQL pgbench 9.0.4
TPC-B Transactions Per Second
TPS, More Is Better
virtualbox-mint1
SE +/- 12.54, N = 6
279.94
60
120
180
240
300


PyBench 2008-08-14
Total For Average Test Times
Milliseconds, Fewer Is Better
mint-vmware1
SE +/- 10.37, N = 3
3292
virtualbox-mint1
SE +/- 13.00, N = 2
3337
700
1400
2100
2800
3500
LZMA Compression
256MB File Compression
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.43, N = 3
224.85
virtualbox-mint1
SE +/- 0.64, N = 3
226.48
50
100
150
200
250
Parallel BZIP2 Compression 1.0.5
256MB File Compression
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.10, N = 3
33.45
virtualbox-mint1
SE +/- 0.09, N = 3
33.87
8
16
24
32
40
LAME MP3 Encoding 3.98.2
WAV To MP3
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.09, N = 5
34.80
virtualbox-mint1
SE +/- 0.18, N = 5
35.36
8
16
24
32
40

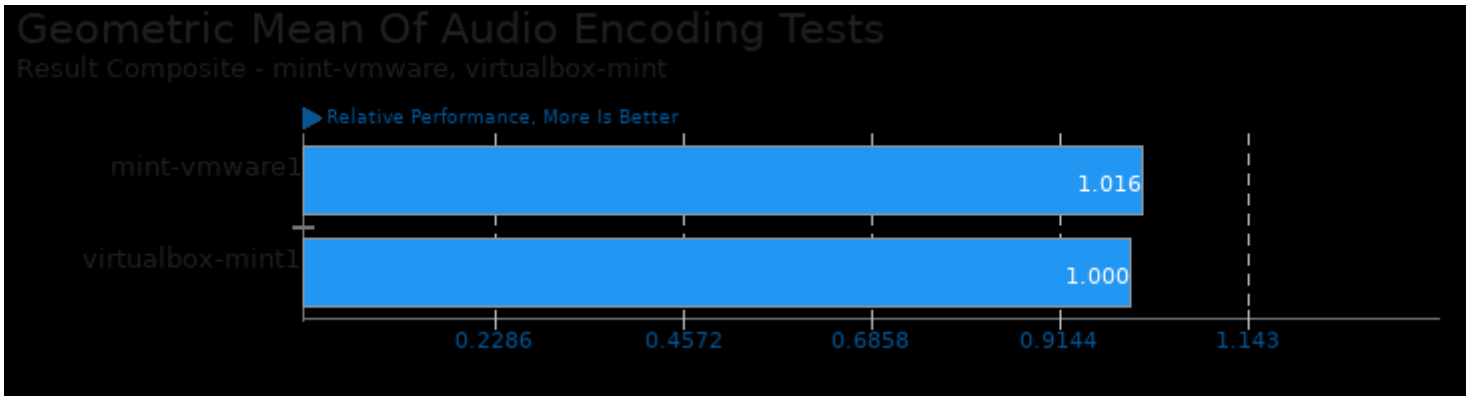

Ogg Encoding 1.2.0
WAV To Ogg
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.06, N = 5
16.26
virtualbox-mint1
SE +/- 0.04, N = 5
16.52
4
8
12
16
20
FFmpeg 0.8.2
AVI To NTSC VCD
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.21, N = 3
19.32
virtualbox-mint1
SE +/- 0.35, N = 3
19.88
5
10
15
20
25
GnuPG 1.4.10
1GB File Encryption
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.21, N = 4
22.62
virtualbox-mint1
SE +/- 0.19, N = 7
15.31
5
10
15
20
25
C-Ray 1.1
Total Time
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.33, N = 3
178.95
virtualbox-mint1
SE +/- 0.50, N = 3
182.40
40
80
120
160
200


POV-Ray 3.6.1
Total Time
Seconds, Fewer Is Better
mint-vmware1
1126
virtualbox-mint1
1152
200
400
600
800
1000
Timed MAFFT Alignment 6.706
Multiple Sequence Alignment
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.20, N = 3
35.14
virtualbox-mint1
SE +/- 0.11, N = 3
35.53
8
16
24
32
40
Timed HMMer Search 2.3.2
Pfam Database Search
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.77, N = 3
48.65
virtualbox-mint1
SE +/- 0.70, N = 6
49.78
11
22
33
44
55
Sudokut 0.4
Total Time
Seconds, Fewer Is Better
mint-vmware1
SE +/- 0.08, N = 3
36.35
virtualbox-mint1
SE +/- 0.14, N = 3
37.36
9
18
27
36
45

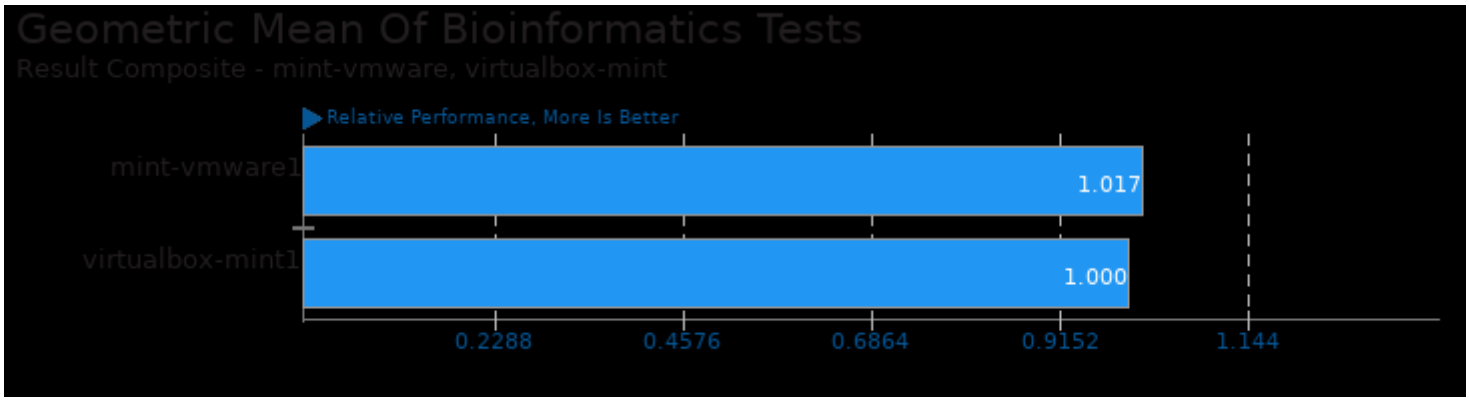
mint-vmware, virtualbox-mint



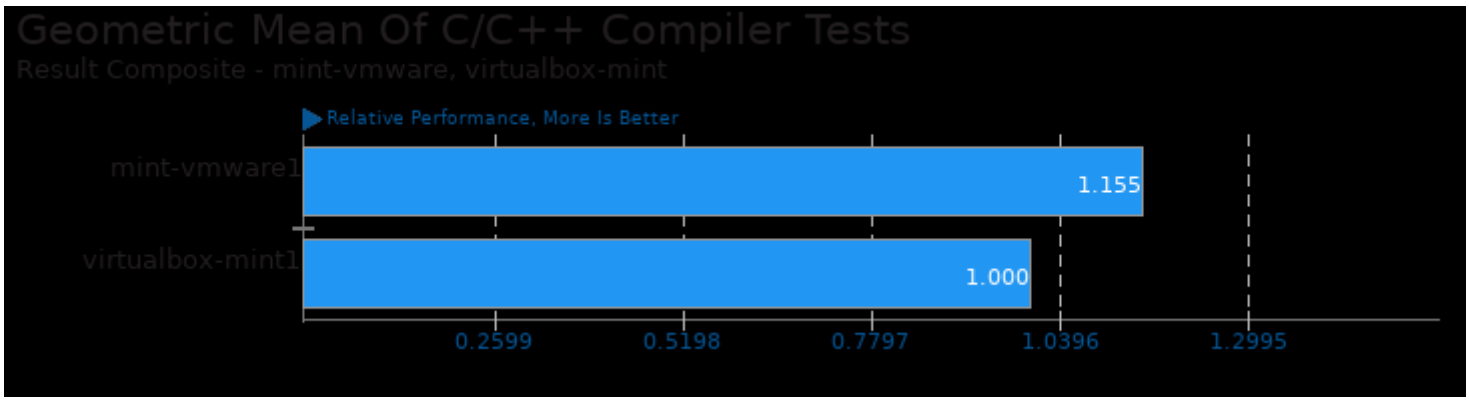
These geometric means are based upon test groupings / test suites for this result file.



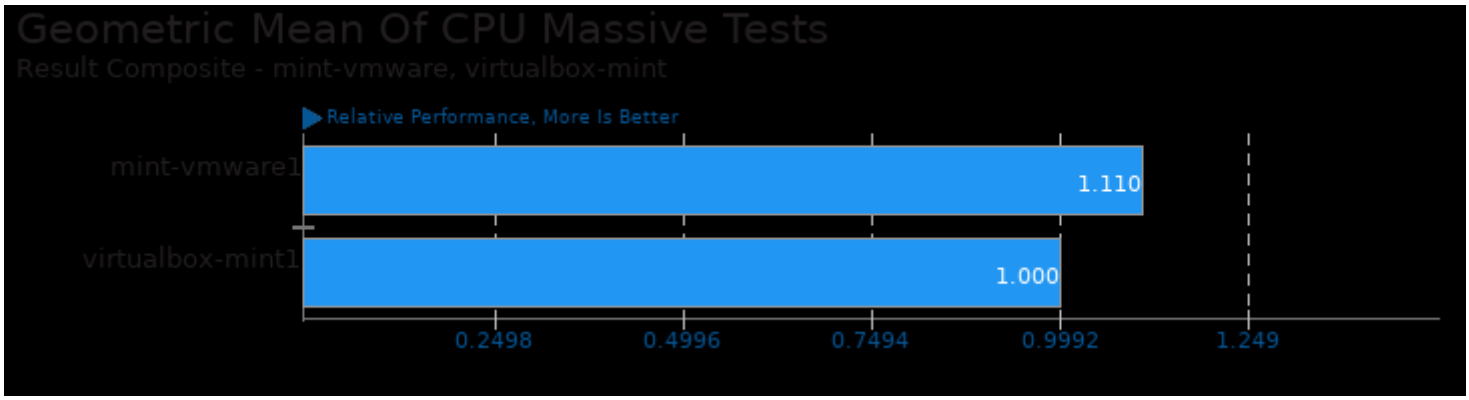
Geometric mean based upon tests: pts/encode-mp3 and pts/encode-ogg



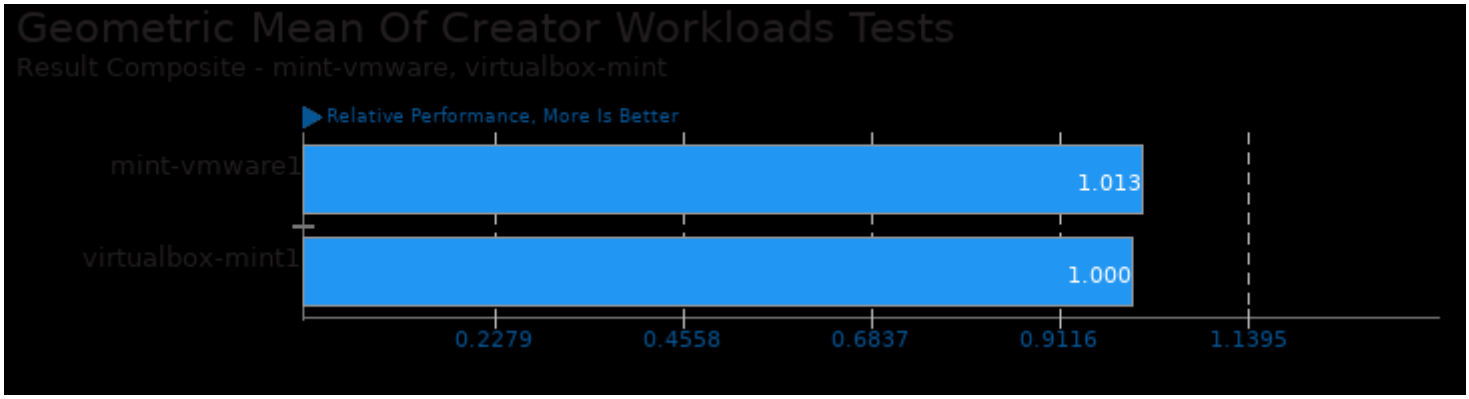
Geometric mean based upon tests: pts/hmmer and pts/mafft



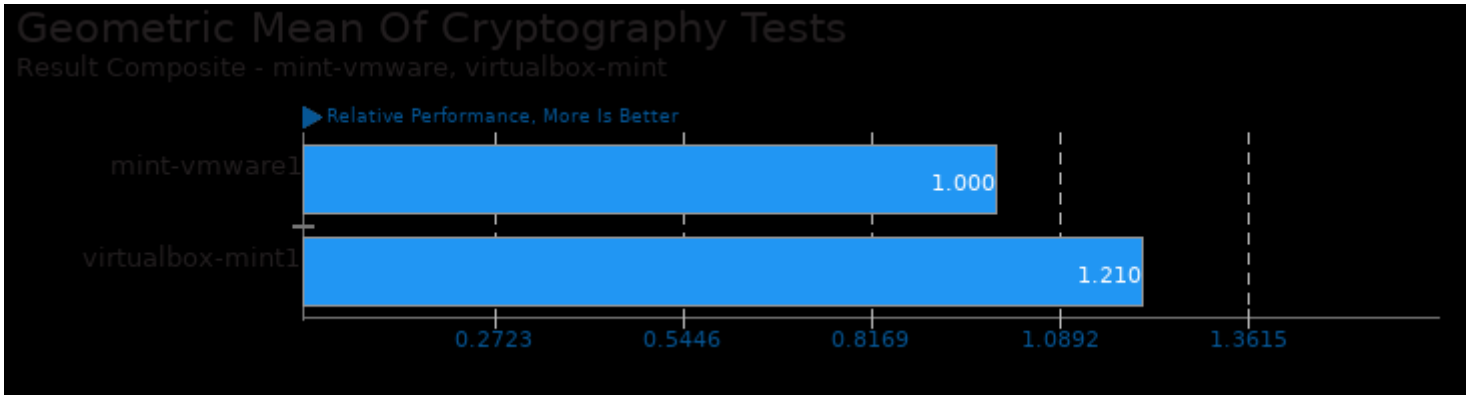
Geometric mean based upon tests: pts/mafft, pts/graphics-magick, pts/hmmer, pts/c-ray, pts/encode-mp3, pts/pgbench, pts/apache and pts/openssl



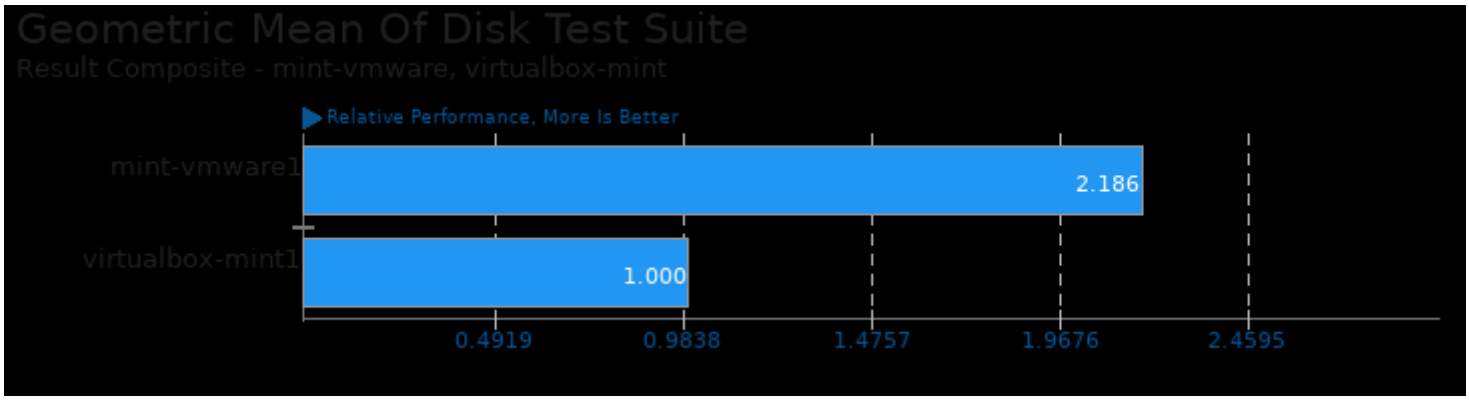
Geometric mean based upon tests: pts/apache, pts/c-ray, pts/compress-pbzip2, pts/crafty, pts/encode-mp3, pts/graphics-magick, pts/hmmer, pts/openssl, pts/mafft, pts/minion, pts/pgbench and pts/povray



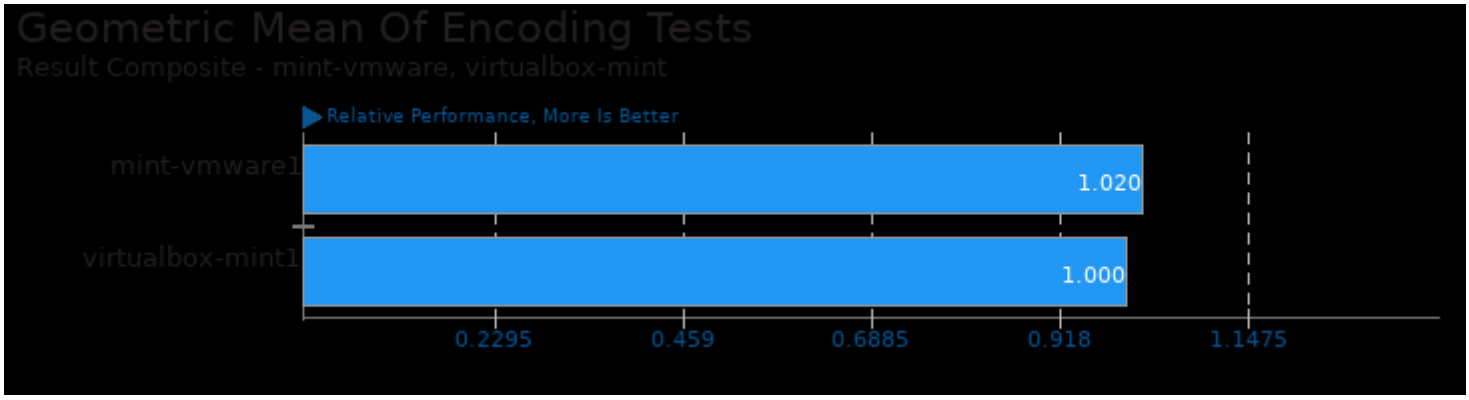
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/encode-mp3, pts/encode-ogg, pts/graphics-magick and pts/dcraw



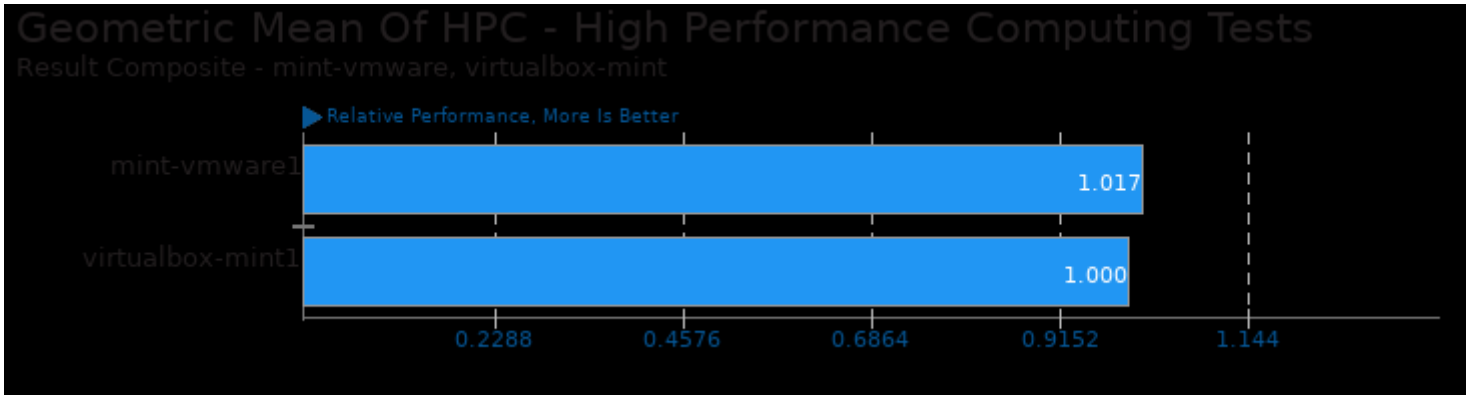
Geometric mean based upon tests: pts/gnupg and pts/openssl



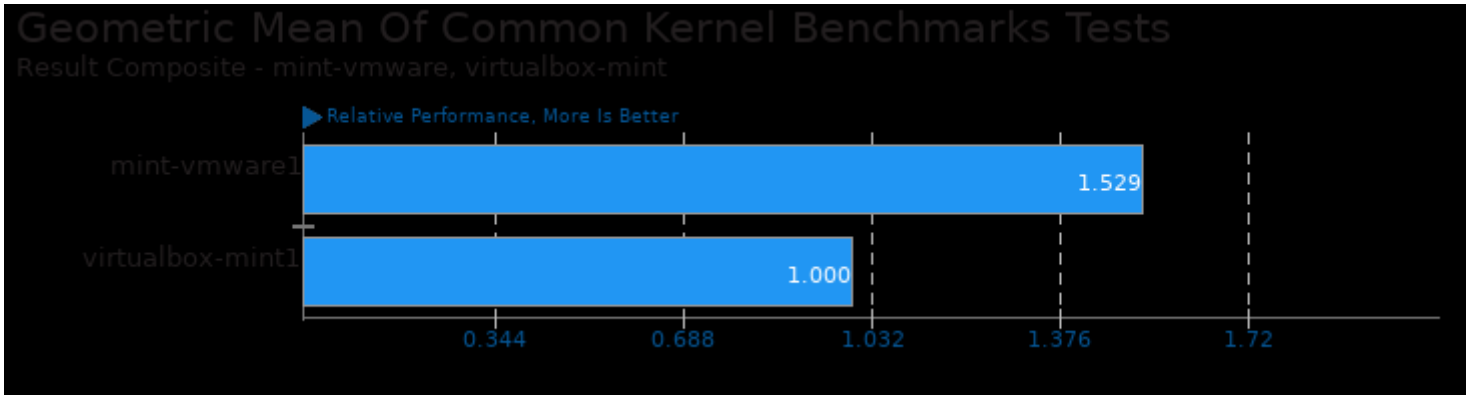
Geometric mean based upon tests: pts/sqlite, pts/dbench and pts/postmark



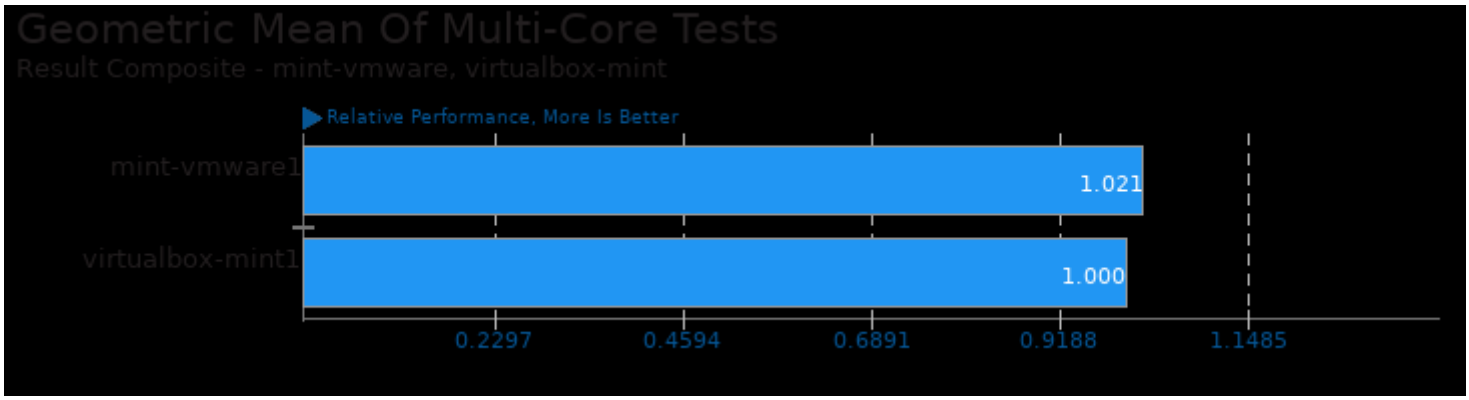
Geometric mean based upon tests: pts/encode-mp3, pts/encode-ogg and pts/ffmpeg



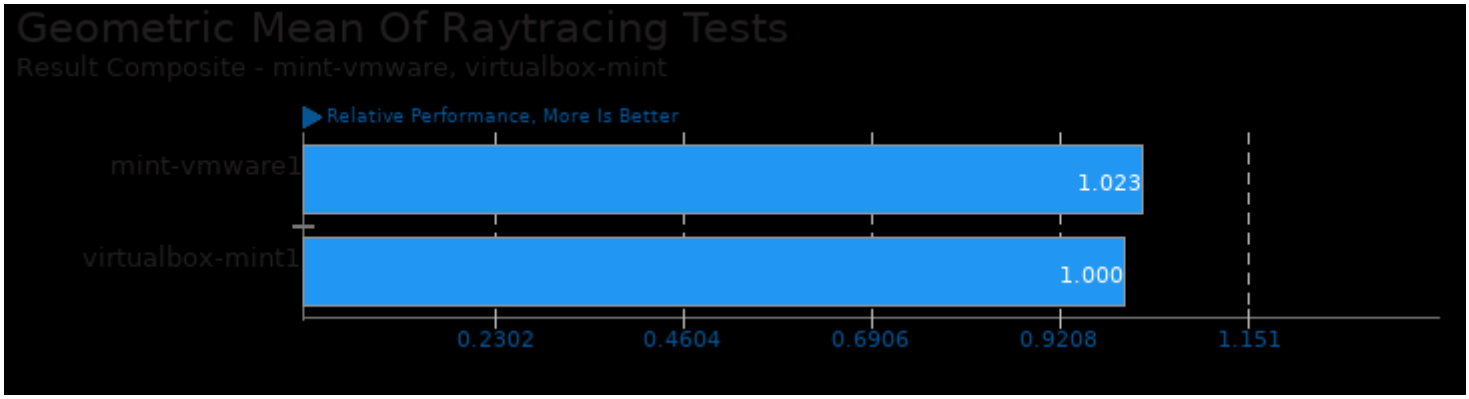
Geometric mean based upon tests: pts/hmmer and pts/mafft



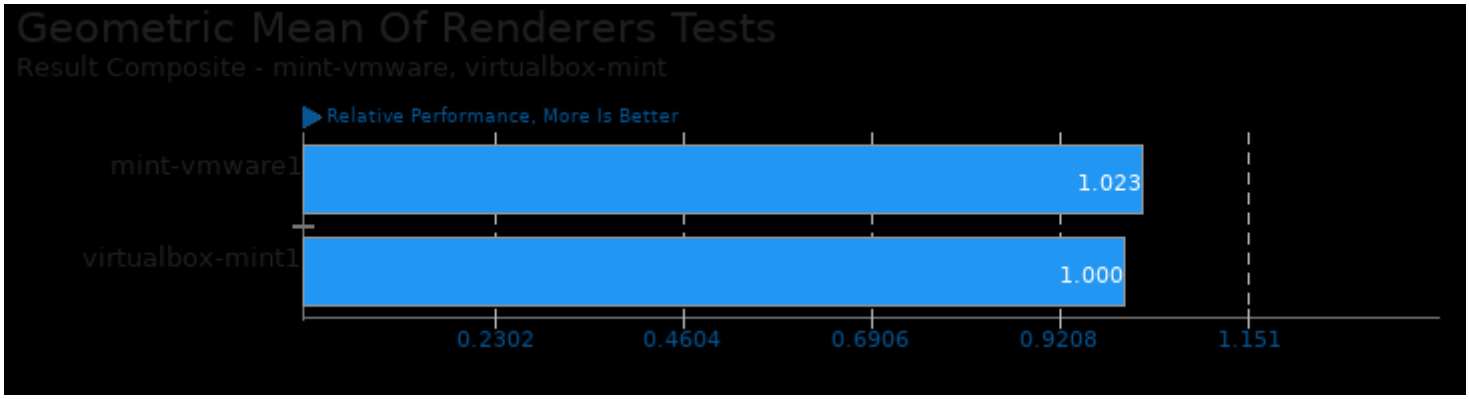
Geometric mean based upon tests: pts/apache, pts/postmark, pts/pgbench and pts/openssl



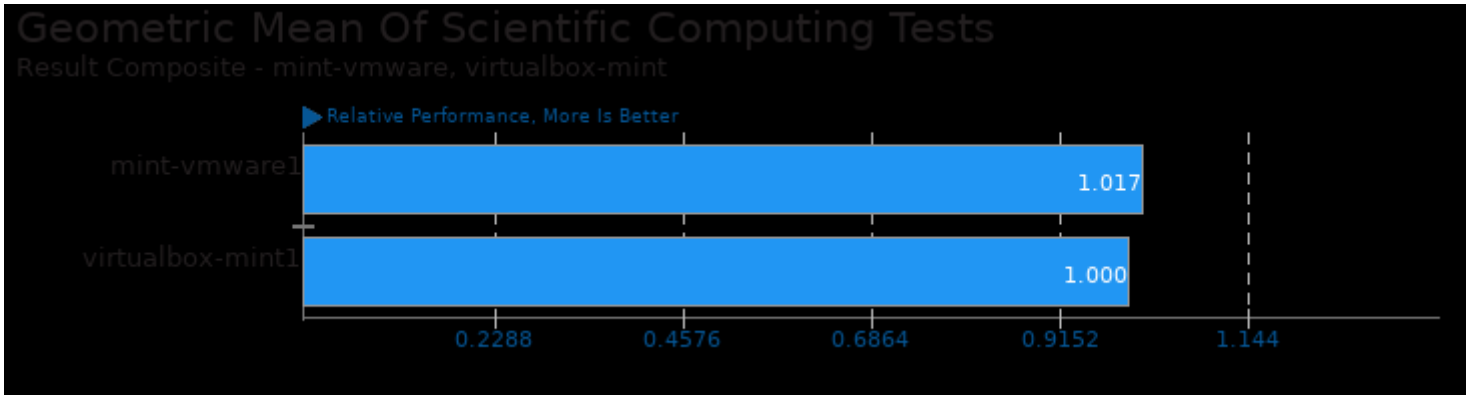
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/graphics-magick, pts/compress-pbzip2 and pts/pgbench



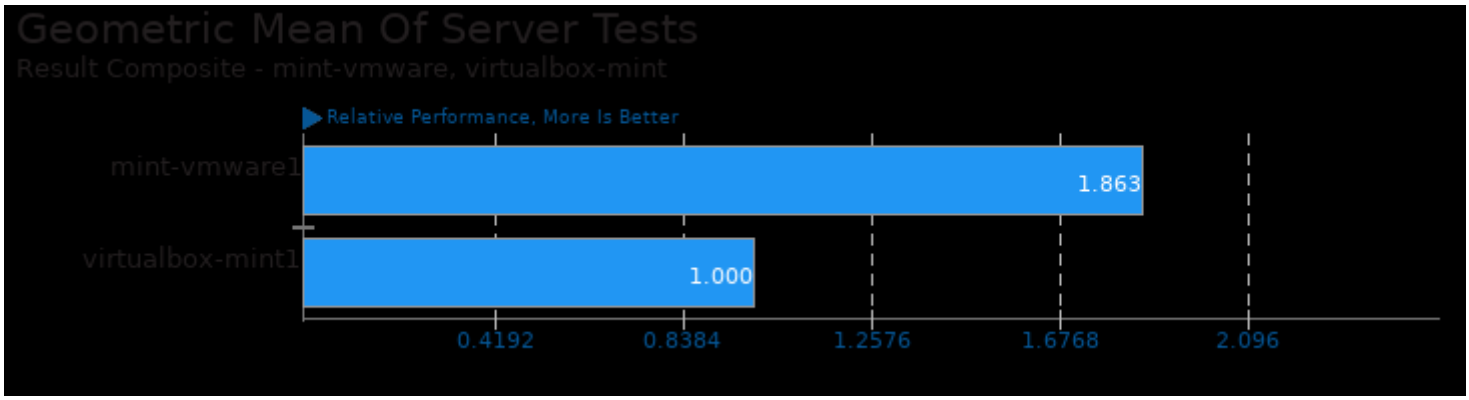
Geometric mean based upon tests: pts/c-ray and pts/povray



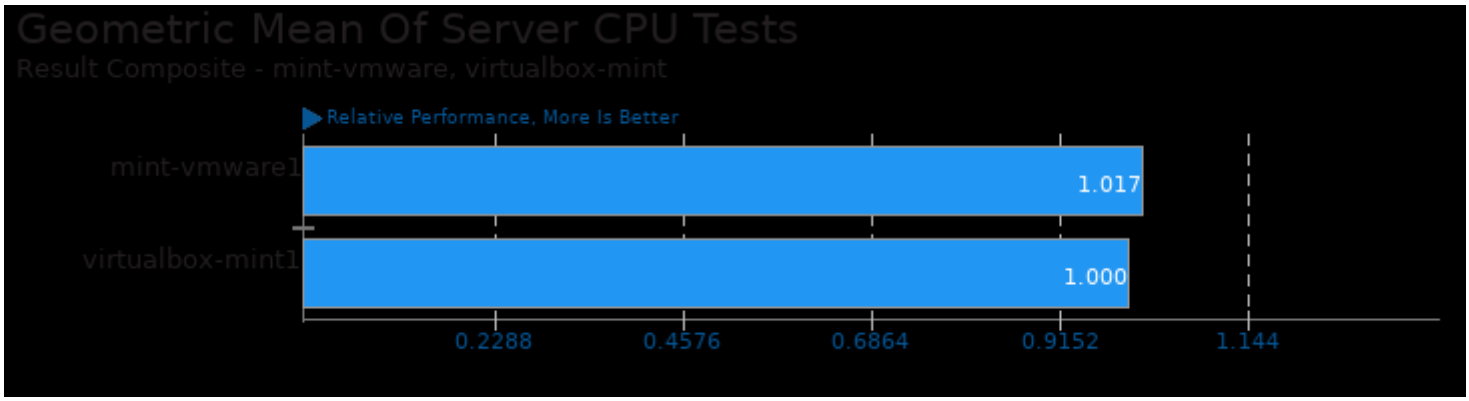
Geometric mean based upon tests: pts/c-ray and pts/povray



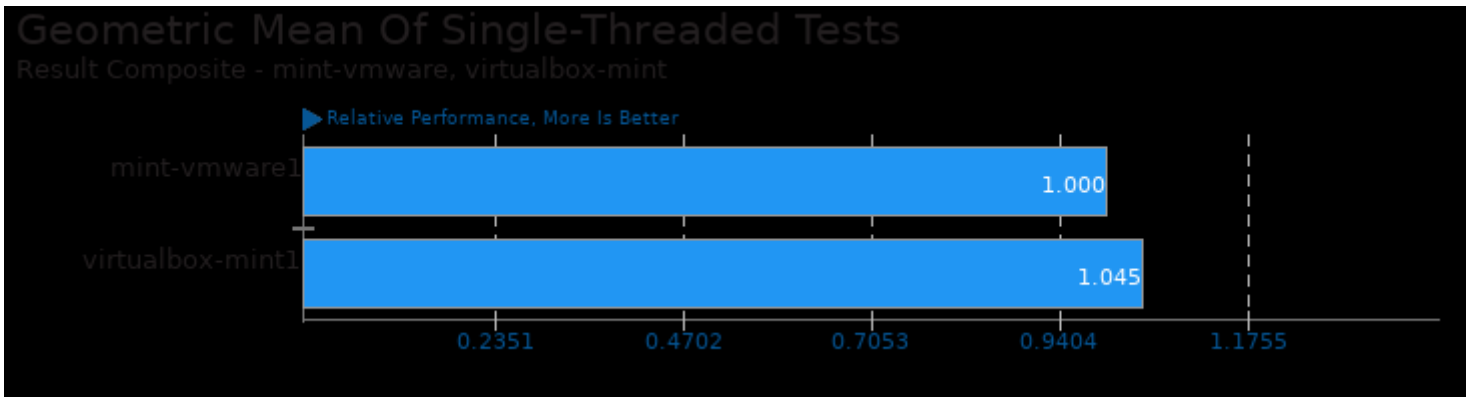
Geometric mean based upon tests: pts/hmmer and pts/mafft



Geometric mean based upon tests: pts/apache, pts/pgbench, pts/openssl and pts/sqlite



Geometric mean based upon tests: pts/c-ray, pts/povray, pts/openssl and pts/pybench



Geometric mean based upon tests: pts/gmpbench, pts/dcraw, pts/encode-mp3, pts/encode-ogg, pts/gnupg, pts/minion, pts/sudokut and pts/pybench

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:23.