



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.

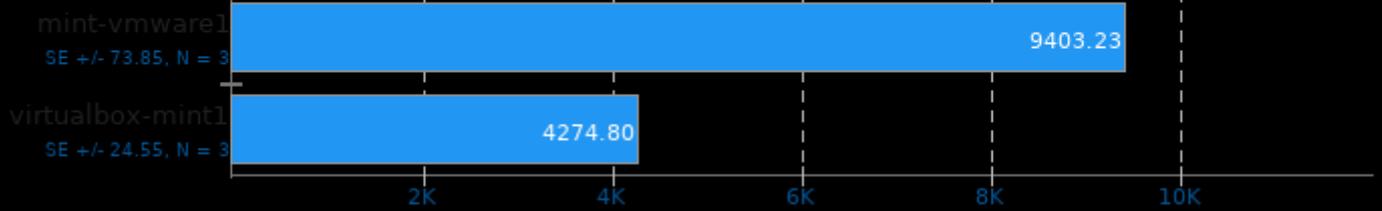
	mint-vmware1	virtualbox-mint1
Apache Benchmark - S.W.P.S (Reqs/sec)	9403	4275
Normalized	100%	45.46%
Standard Deviation	1.4%	1%
C-Ray - Total Time (sec)	178.95	182.40
Normalized	100%	98.11%
Standard Deviation	0.3%	0.5%
Crafty - Elapsed Time (sec)		530.92
Standard Deviation		0.6%
Dbench - 12 Clients (MB/s)	191.38	85.95
Normalized	100%	44.91%
Standard Deviation	2.6%	1.2%
dcraw - R.T.P.I.C (sec)	37.17	36.28
Normalized	97.61%	100%
Standard Deviation	6.5%	8.5%
FFmpeg - AVI To NTSC VCD (sec)	19.32	19.88
Normalized	100%	97.18%
Standard Deviation	1.8%	3%

GMPbench - Total Time (GMPbench Score)		10006
Standard Deviation		0%
GnuPG - 1.F.E (sec)	22.62	15.31
Normalized	67.68%	100%
Standard Deviation	1.9%	3.3%
GraphicsMagick - HWB Color Space (Iterations/min)		78
Standard Deviation		0.7%
GraphicsMagick - L.A.T (Iterations/min)		19
Standard Deviation		0%
LAME MP3 Encoding - WAV To MP3 (sec)	34.80	35.36
Normalized	100%	98.42%
Standard Deviation	0.6%	1.1%
LZMA Compression - 2.F.C (sec)	224.85	226.48
Normalized	100%	99.28%
Standard Deviation	0.3%	0.5%
Minion - Solitaire (sec)	250.52	259.00
Normalized	100%	96.73%
Standard Deviation	0.4%	0.1%
Ogg Encoding - WAV To Ogg (sec)	16.26	16.52
Normalized	100%	98.43%
Standard Deviation	0.8%	0.6%
OpenSSL - R.4.b.P (Signs/sec)	37.08	36.73
Normalized	100%	99.06%
Standard Deviation	0.9%	0.5%
Parallel BZIP2 Compression - 2.F.C (sec)	33.45	33.87
Normalized	100%	98.76%
Standard Deviation	0.5%	0.5%
PostgreSQL pgbench - T.B.T.P.S (TPS)		279.94
Standard Deviation		11%
PostMark - D.T.P (TPS)	512	318
Normalized	100%	62.11%
Standard Deviation	2.2%	7.9%
POV-Ray - Total Time (sec)	1126	1152
Normalized	100%	97.74%
PyBench - T.F.A.T.T (Milliseconds)	3292	3337
Normalized	100%	98.65%
Standard Deviation	0.5%	0.6%
SQLite - 12,500 INSERTs (sec)	87.36	254.40
Normalized	100%	34.34%
Standard Deviation	1.5%	4.6%
Sudokut - Total Time (sec)	36.35	37.36
Normalized	100%	97.3%
Standard Deviation	0.4%	0.7%
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%
Timed HMMer Search - P.D.S (sec)	48.65	49.78
Normalized	100%	97.73%
Standard Deviation	2.7%	3.5%
Timed MAFFT Alignment - M.S.A (sec)	35.14	35.53
Normalized	100%	98.9%
Standard Deviation	1%	0.5%

Apache Benchmark 2.2.17

Static Web Page Serving

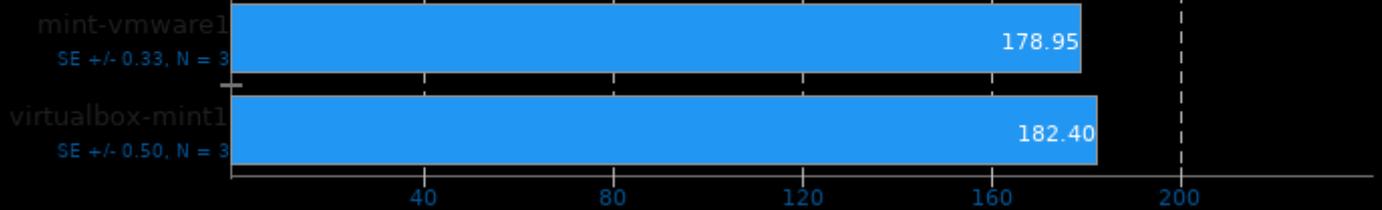
Requests Per Second, More Is Better



C-Ray 1.1

Total Time

Seconds, Fewer Is Better



Crafty 23.3

Elapsed Time

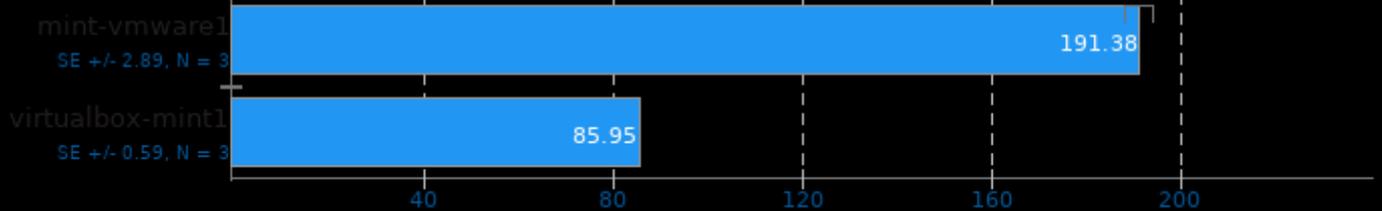
Seconds, Fewer Is Better



Dbench 4.0

12 Clients

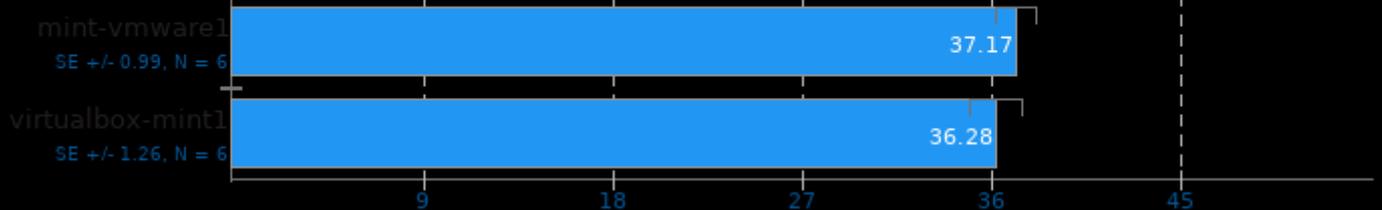
MB/s, More Is Better



dcraw

RAW To PPM Image Conversion

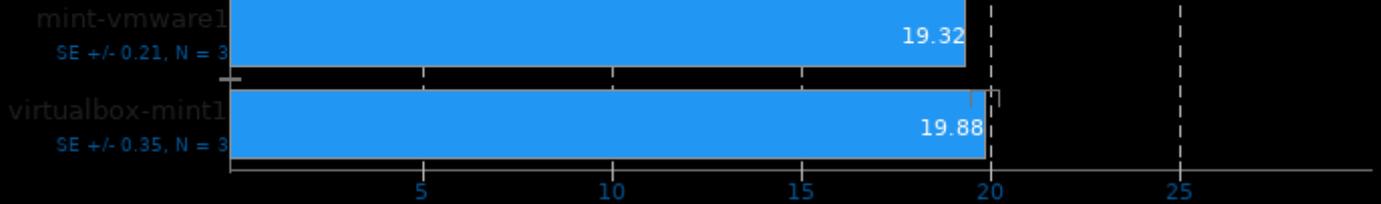
Seconds, Fewer Is Better



FFmpeg 0.8.2

AVI To NTSC VCD

Seconds, Fewer Is Better



GMPbench 0.1

Total Time

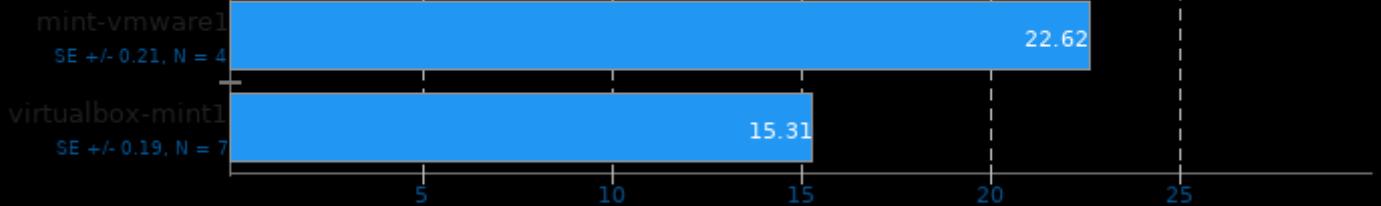
GMPbench Score, More Is Better



GnuPG 1.4.10

1GB File Encryption

Seconds, Fewer Is Better



GraphicsMagick 1.3.12

HWB Color Space

Iterations Per Minute, More Is Better



GraphicsMagick 1.3.12

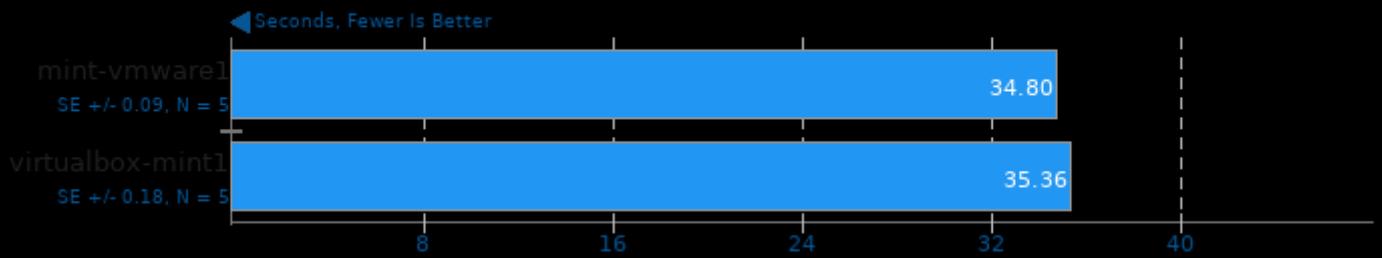
Local Adaptive Thresholding

Iterations Per Minute, More Is Better



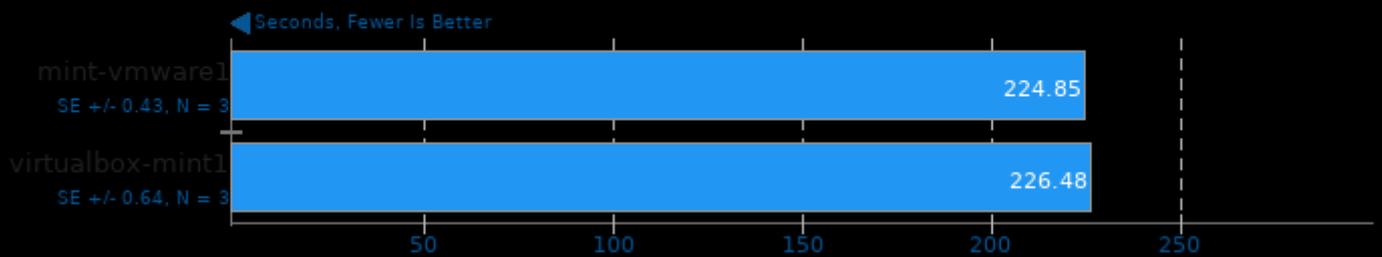
LAME MP3 Encoding 3.98.2

WAV To MP3



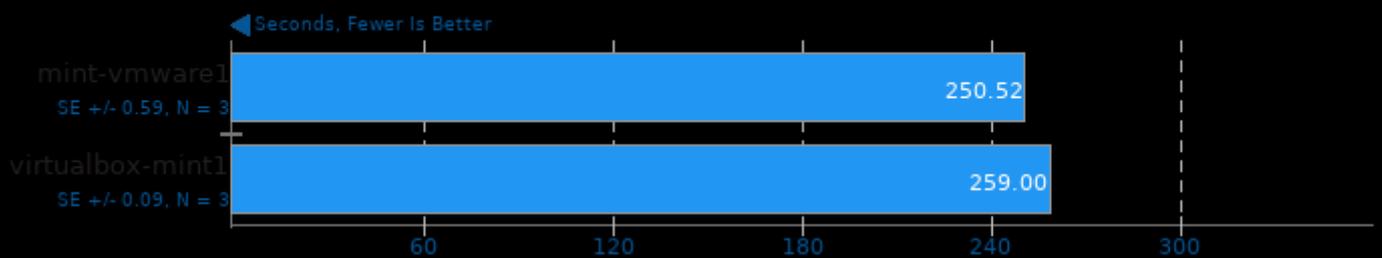
LZMA Compression

256MB File Compression



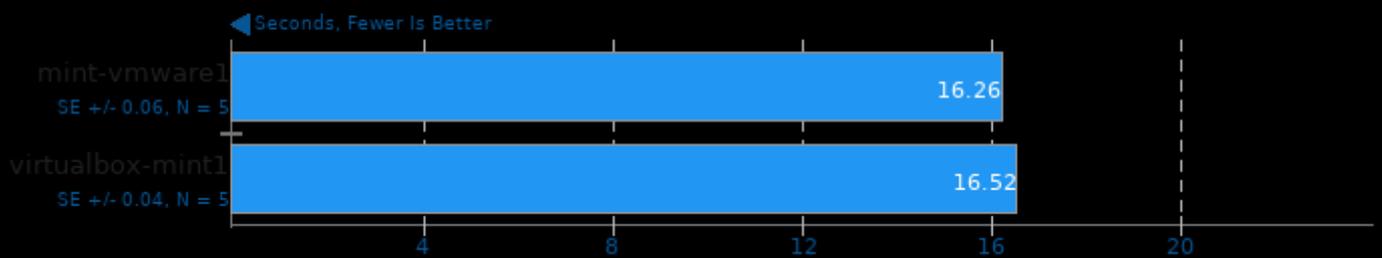
Minion 0.9

Solitaire



Ogg Encoding 1.2.0

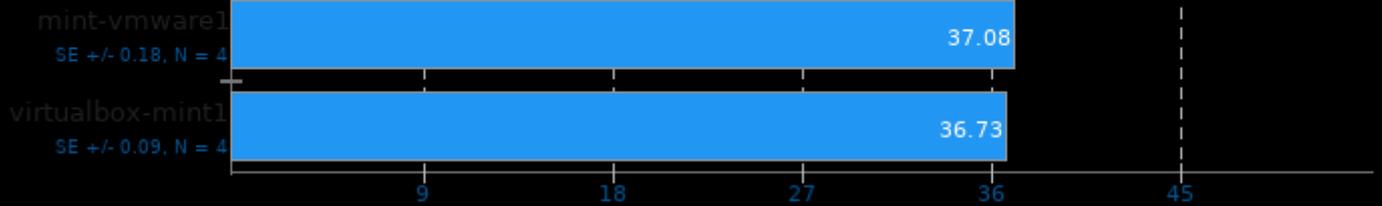
WAV To Ogg



OpenSSL 1.0.0a

RSA 4096-bit Performance

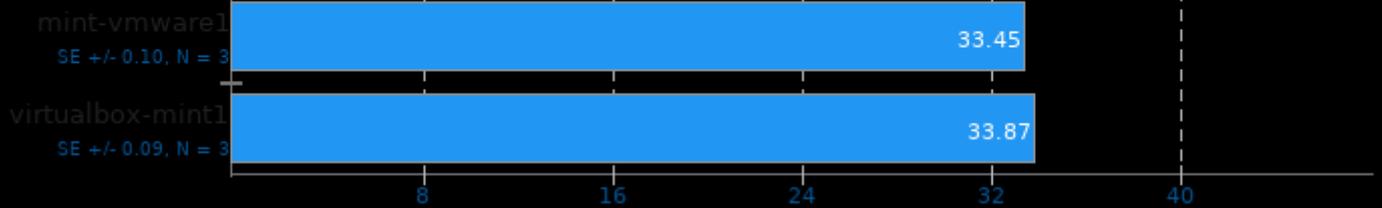
► Signs Per Second, More Is Better



Parallel BZIP2 Compression 1.0.5

256MB File Compression

◄ Seconds, Fewer Is Better



PostgreSQL pgbench 9.0.4

TPC-B Transactions Per Second

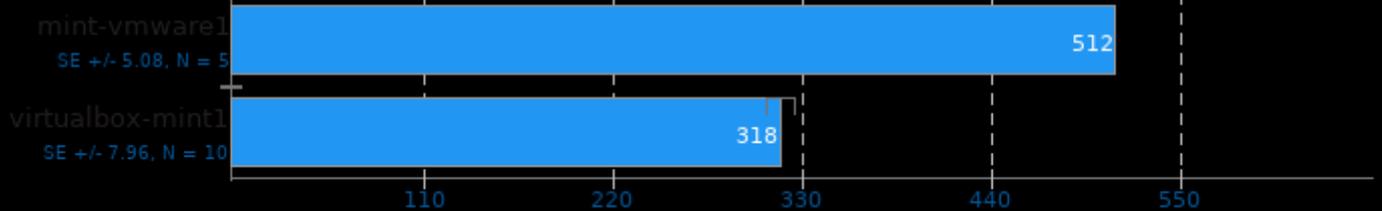
► TPS, More Is Better



PostMark 1.51

Disk Transaction Performance

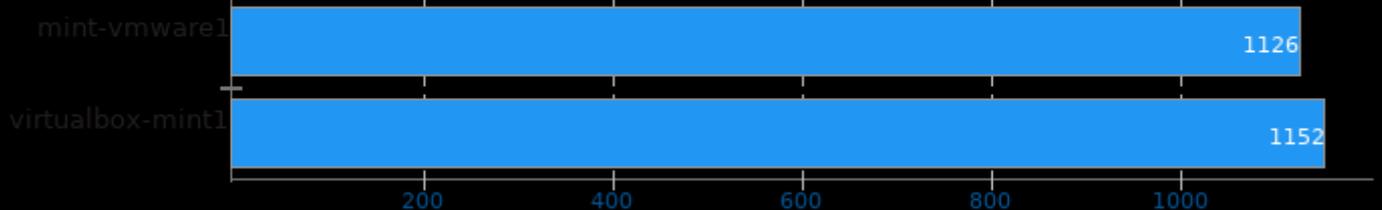
► TPS, More Is Better



POV-Ray 3.6.1

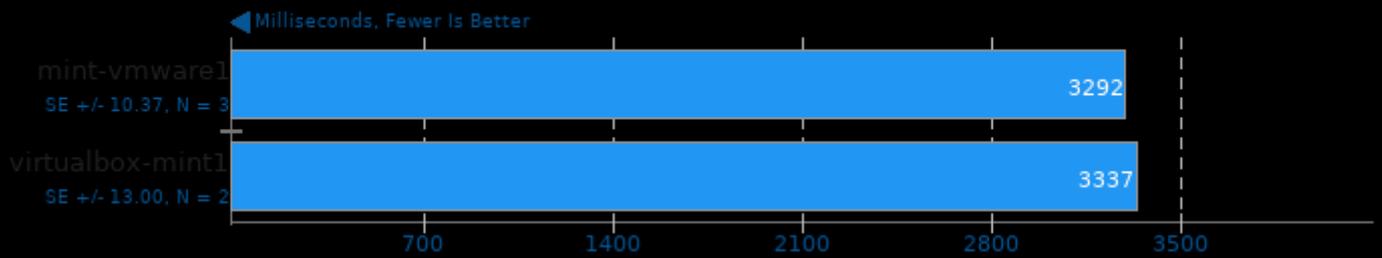
Total Time

◄ Seconds, Fewer Is Better



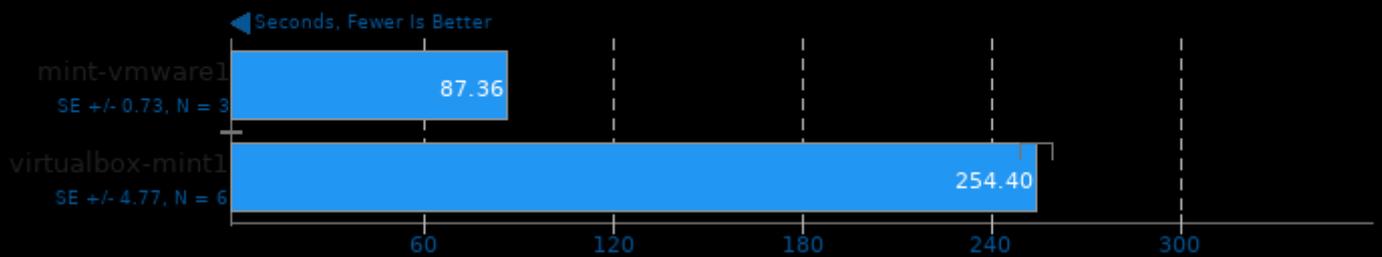
PyBench 2008-08-14

Total For Average Test Times



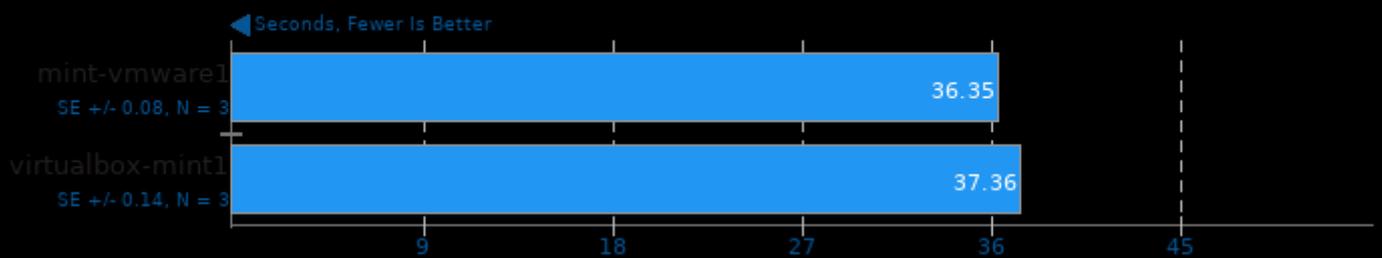
SQLite 3.7.3

12,500 INSERTs



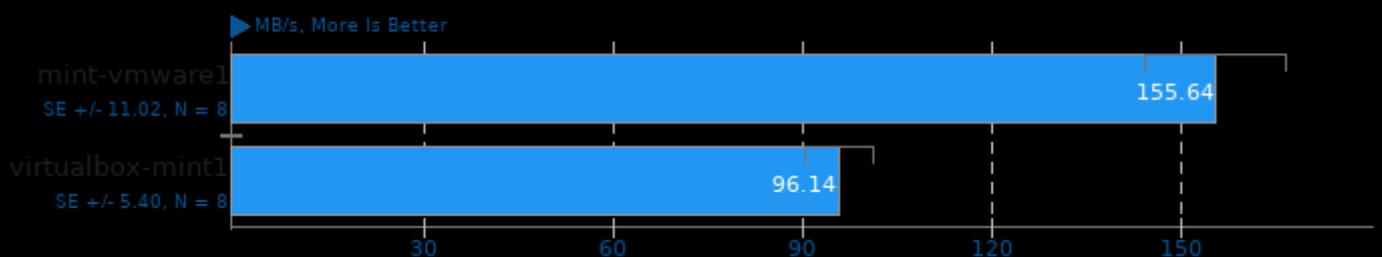
Sudokut 0.4

Total Time



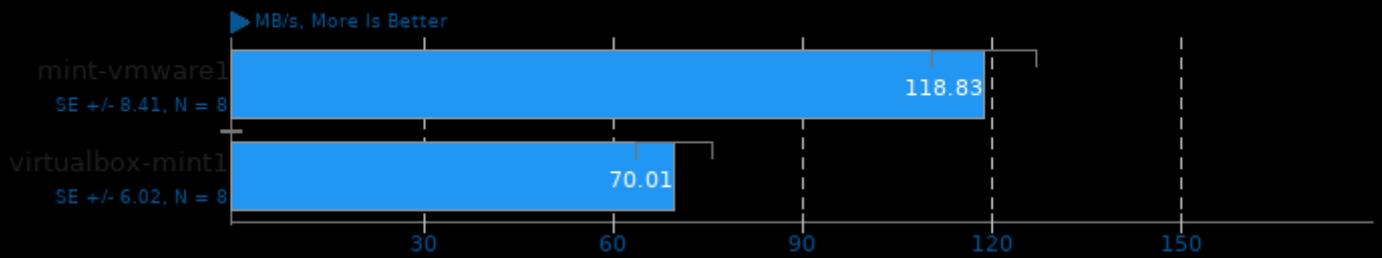
Threaded I/O Tester 0.3.3

64MB Write - 32 Threads



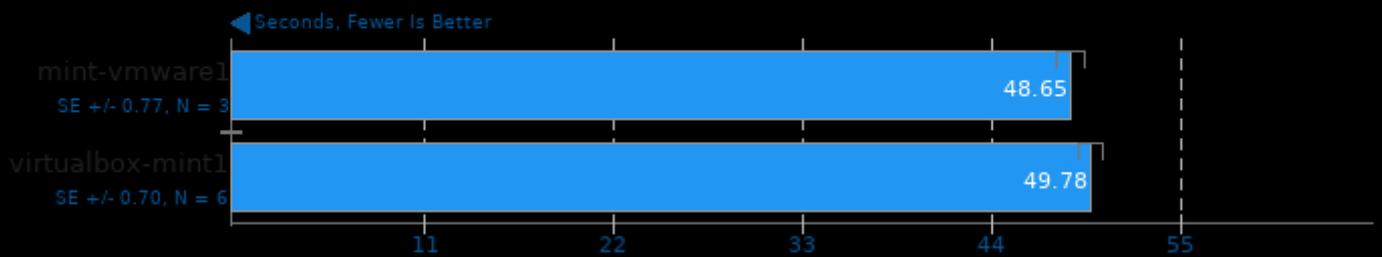
Threaded I/O Tester 0.3.3

64MB Read - 32 Threads



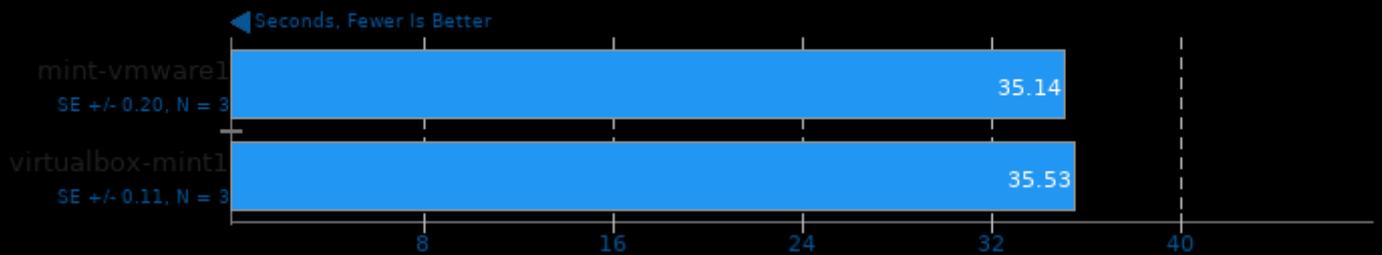
Timed HMMer Search 2.3.2

Pfam Database Search

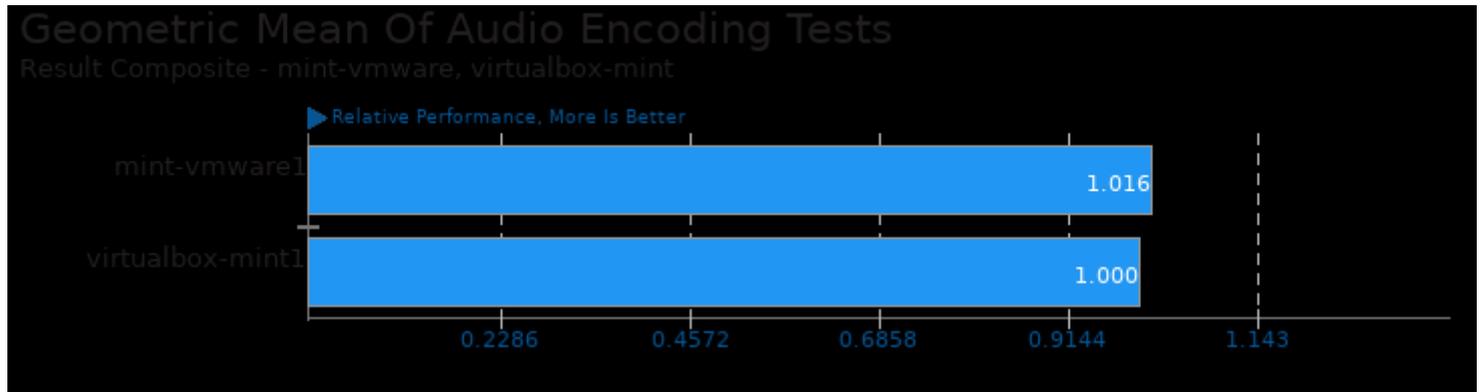


Timed MAFFT Alignment 6.706

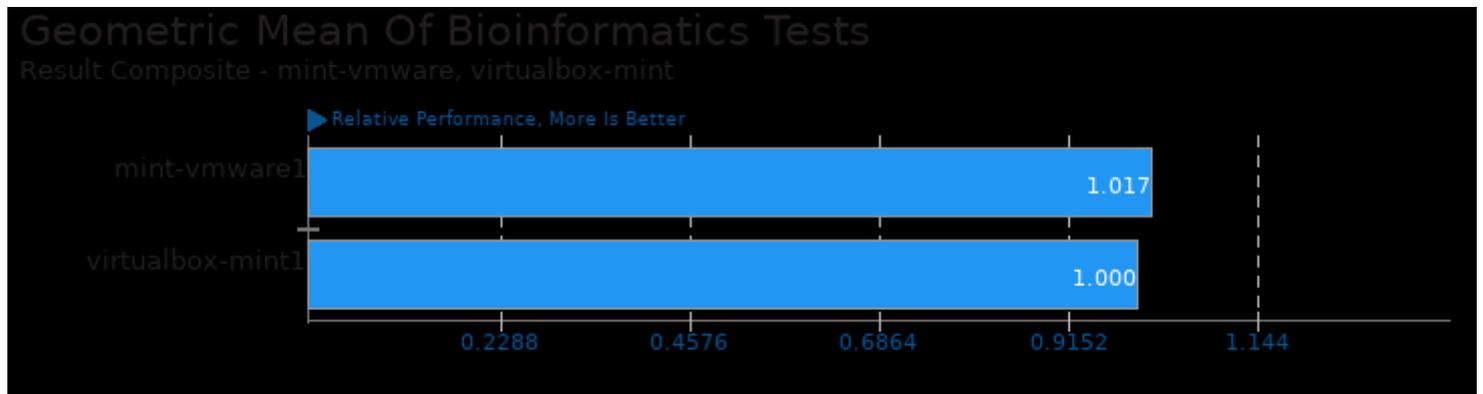
Multiple Sequence Alignment



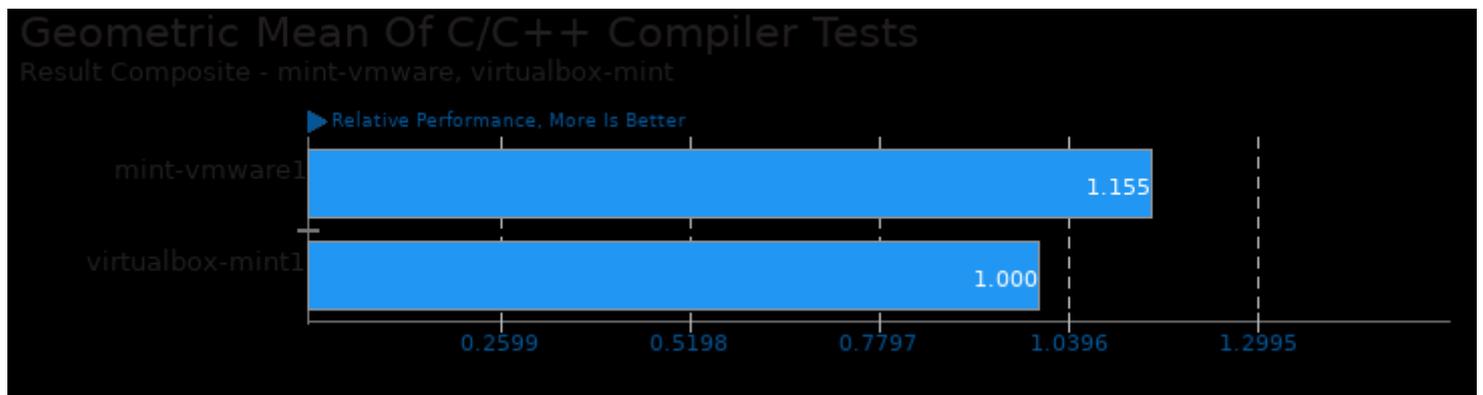
These geometric means are based upon test groupings / test suites for this result file.



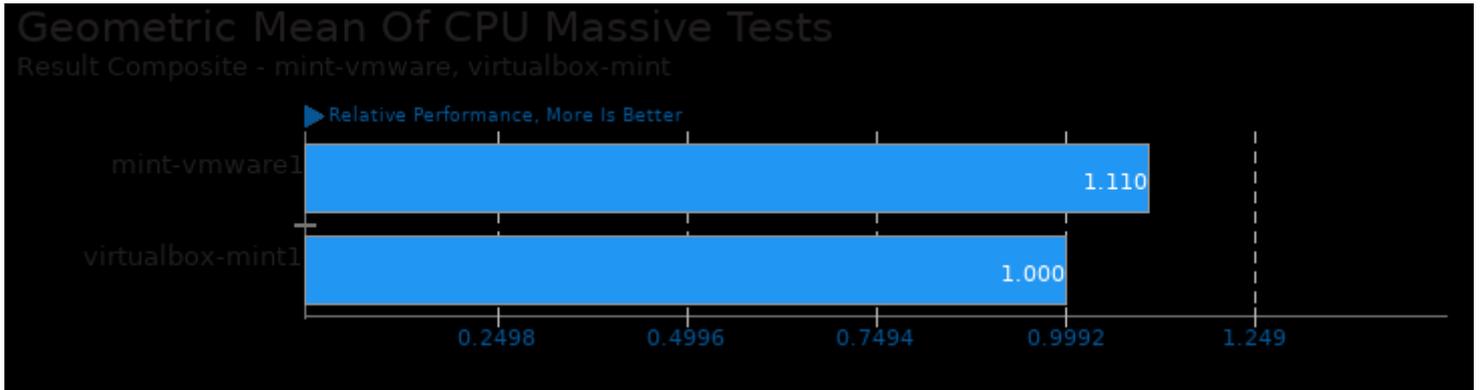
Geometric mean based upon tests: pts/encode-mp3 and pts/encode-ogg



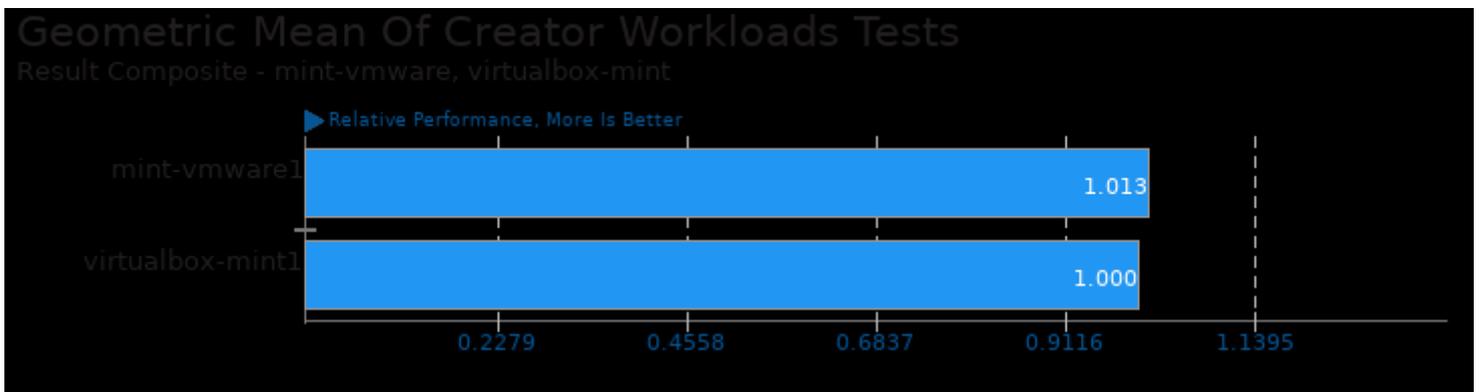
Geometric mean based upon tests: pts/hmmer and pts/mafft



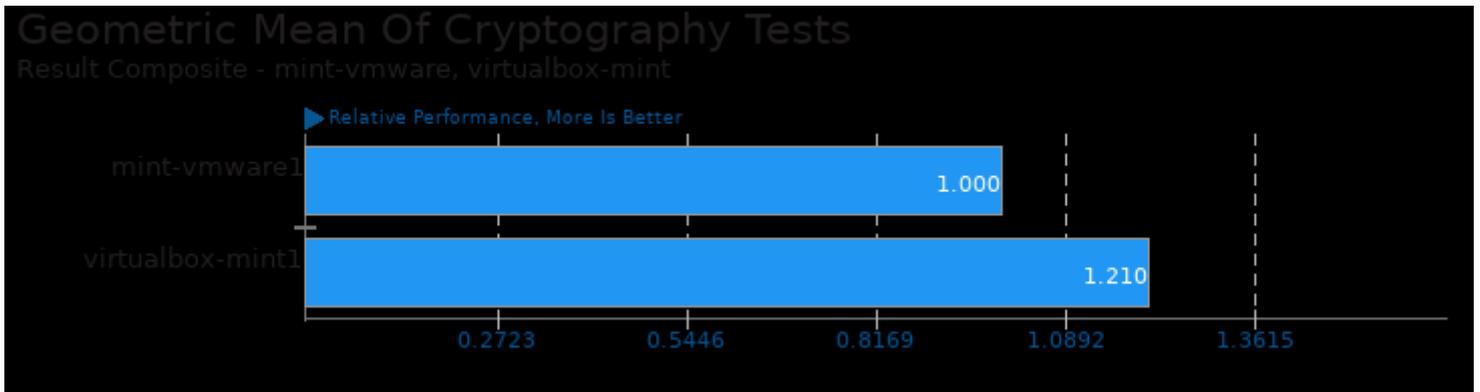
Geometric mean based upon tests: pts/mafft, pts/graphics-magick, pts/hmmer, pts/c-ray, pts/encode-mp3, pts/pgbench, pts/apache and pts/openssl



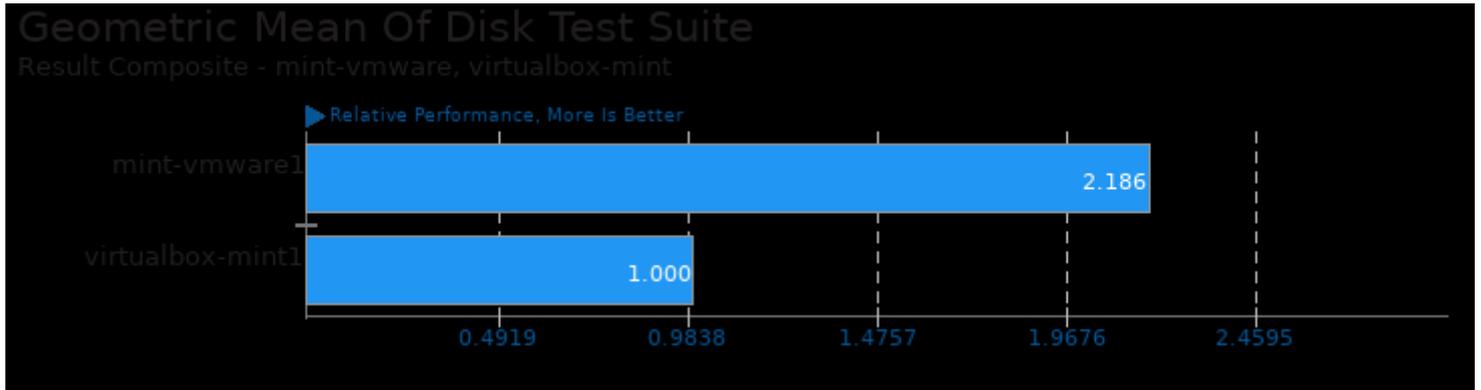
Geometric mean based upon tests: pts/apache, pts/c-ray, pts/compress-pbzip2, pts/crafty, pts/encode-mp3, pts/graphics-magick, pts/hmmer, pts/openssl, pts/mafft, pts/minion, pts/pgbench and pts/povray



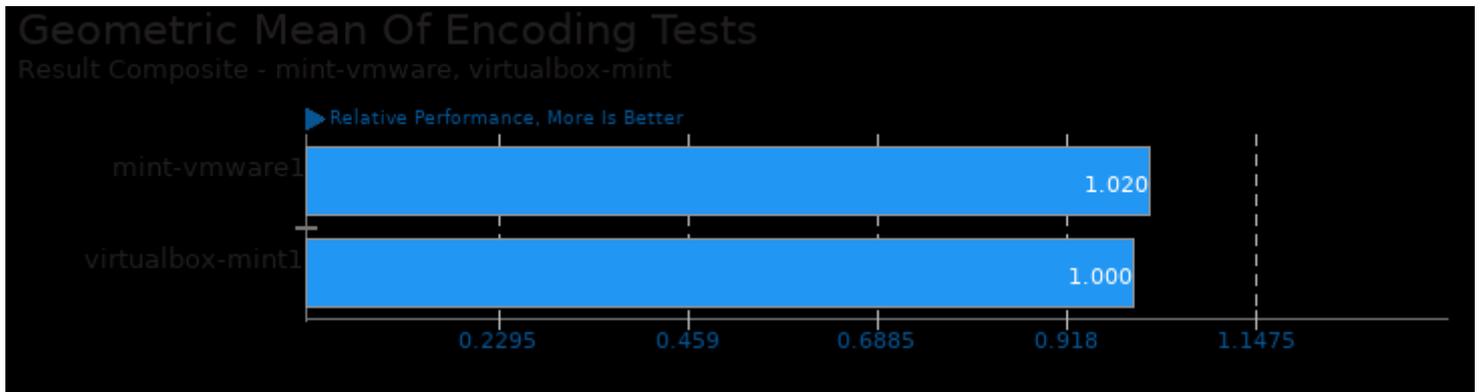
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/encode-mp3, pts/encode-ogg, pts/graphics-magick and pts/dcrow



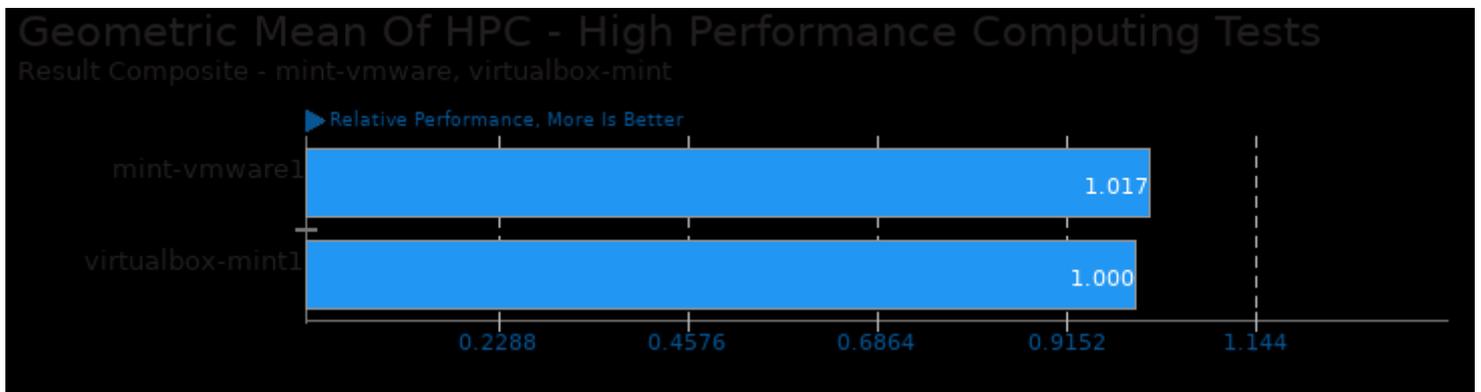
Geometric mean based upon tests: pts/gnupg and pts/openssl



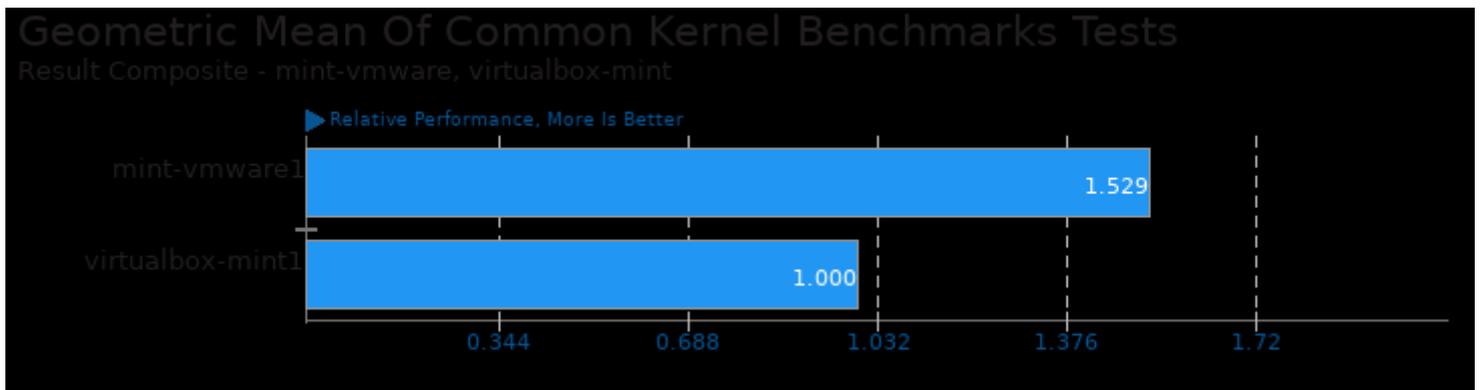
Geometric mean based upon tests: pts/sqlite, pts/dbench and pts/postmark



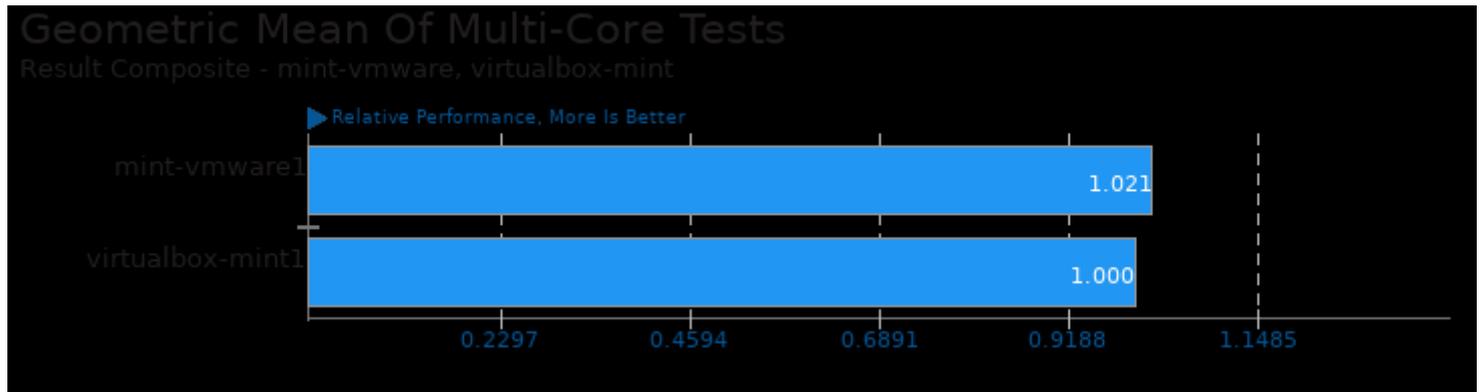
Geometric mean based upon tests: pts/encode-mp3, pts/encode-ogg and pts/ffmpeg



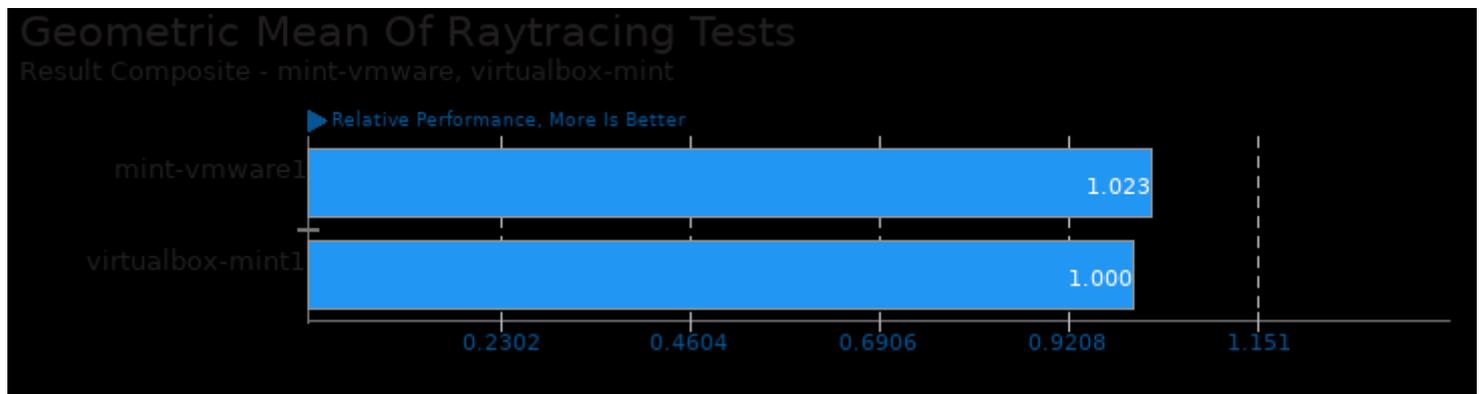
Geometric mean based upon tests: pts/hmmer and pts/mafft



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



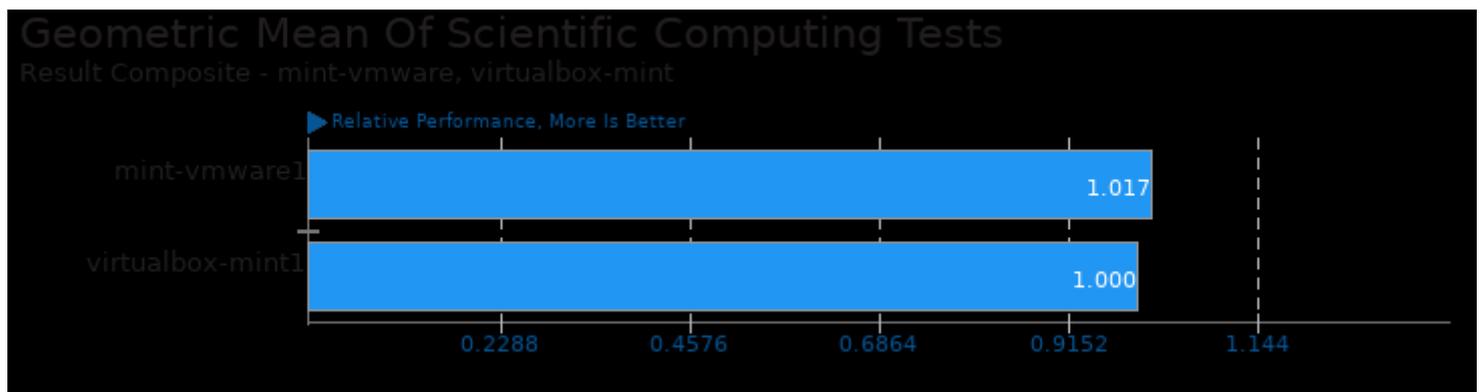
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/graphics-magick, pts/compress-pbzip2 and pts/pgbench



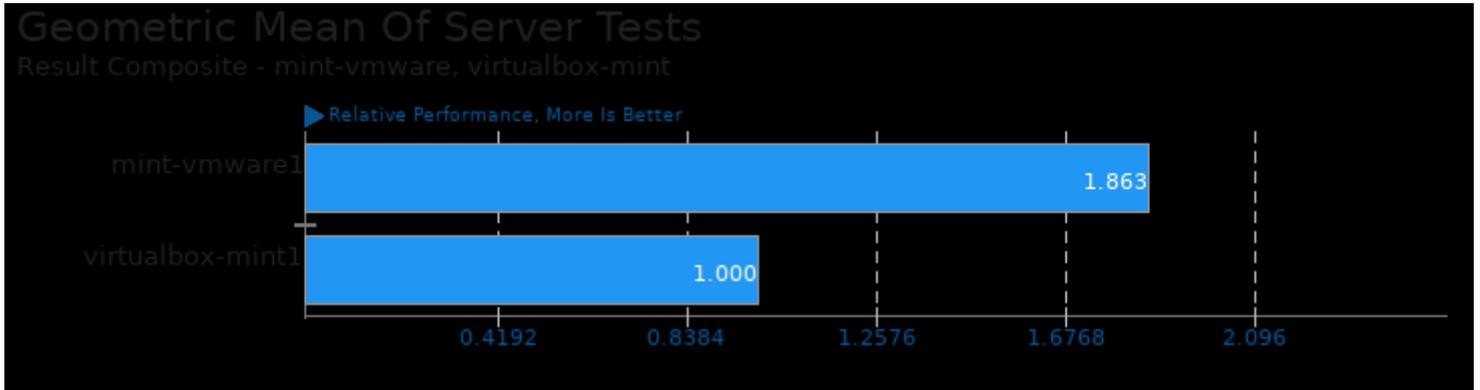
Geometric mean based upon tests: pts/c-ray and pts/povray



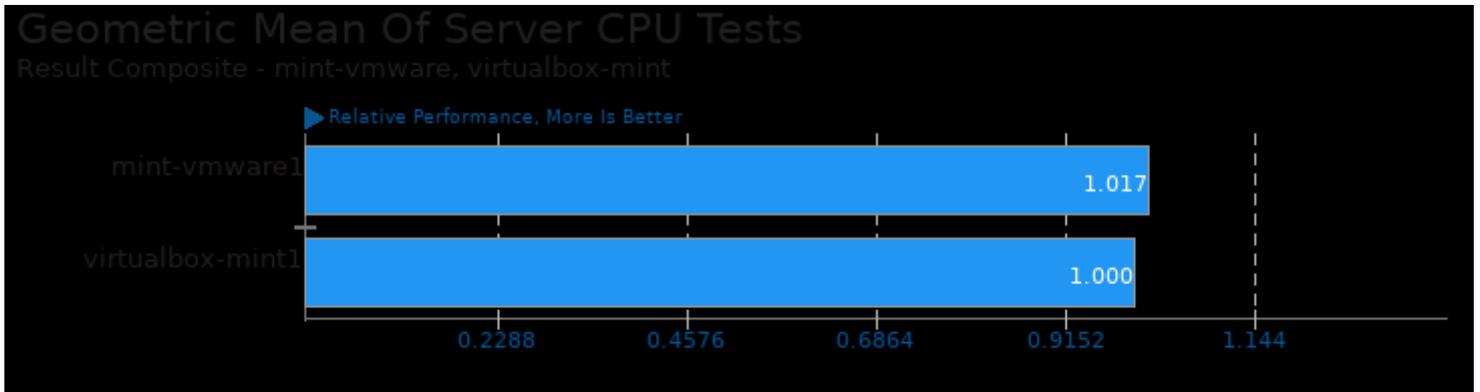
Geometric mean based upon tests: pts/c-ray and pts/povray



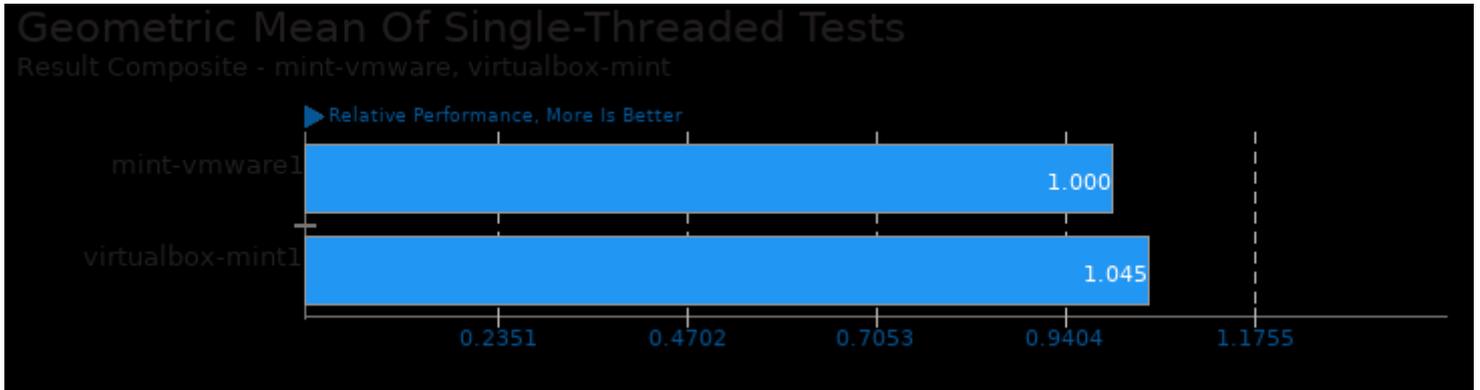
Geometric mean based upon tests: pts/hmmer and pts/mafft



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 Thursday, 28 March 2024 18:04.