



[www.phoronix-test-suite.com](http://www.phoronix-test-suite.com)

## **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:

### 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

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

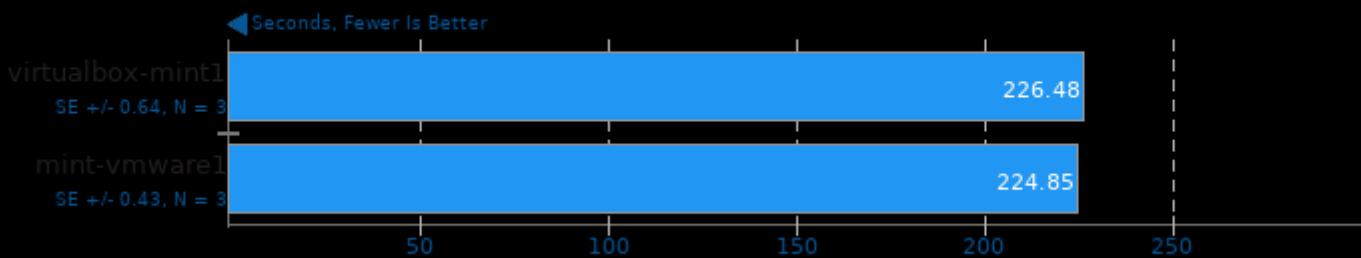
System Notes: Disk Scheduler: CFQ. Python 2.7.1+. This was using VMware virtualization.

	virtualbox-mint1	mint-vmware1
<b>LZMA Compression - 2.F.C (sec)</b>	<b>226.48</b>	<b>224.85</b>
Normalized	99.28%	100%
Standard Deviation	0.5%	0.3%
<b>Parallel BZIP2 Compression - 2.F.C (sec)</b>	<b>33.87</b>	<b>33.45</b>
Normalized	98.76%	100%
Standard Deviation	0.5%	0.5%
<b>Apache Benchmark - S.W.P.S (Req/sec)</b>	<b>4275</b>	<b>9403</b>
Normalized	45.46%	100%
Standard Deviation	1%	1.4%
<b>LAME MP3 Encoding - WAV To MP3 (sec)</b>	<b>35.36</b>	<b>34.80</b>
Normalized	98.42%	100%
Standard Deviation	1.1%	0.6%
<b>Ogg Encoding - WAV To Ogg (sec)</b>	<b>16.52</b>	<b>16.26</b>
Normalized	98.43%	100%
Standard Deviation	0.6%	0.8%
<b>FFmpeg - AVI To NTSC VCD (sec)</b>	<b>19.88</b>	<b>19.32</b>
Normalized	97.18%	100%

	Standard Deviation	3%	1.8%
GnuPG - 1.F.E (sec)	Normalized	100%	67.68%
	Standard Deviation	3.3%	1.9%
C-Ray - Total Time (sec)	Normalized	98.11%	100%
	Standard Deviation	0.5%	0.3%
POV-Ray - Total Time (sec)	Normalized	97.74%	100%
Timed MAFFT Alignment - M.S.A (sec)	Normalized	98.9%	100%
	Standard Deviation	0.5%	1%
Timed HMMer Search - P.D.S (sec)	Normalized	97.73%	100%
	Standard Deviation	3.5%	2.7%
Threaded I/O Tester - 64MB Write - 32 Threads (MB/s)	Normalized	61.77%	100%
	Standard Deviation	15.9%	20%
Threaded I/O Tester - 64MB Read - 32 Threads (MB/s)	Normalized	58.92%	100%
	Standard Deviation	24.3%	20%
PostMark - D.T.P (TPS)	Normalized	318	512
	Standard Deviation	62.11%	100%
	Standard Deviation	7.9%	2.2%
Dbench - 12 Clients (MB/s)	Normalized	85.95	191.38
	Standard Deviation	44.91%	100%
	Standard Deviation	1.2%	2.6%
OpenSSL - R.4.b.P (Signs/sec)	Normalized	36.73	37.08
	Standard Deviation	99.06%	100%
	Standard Deviation	0.5%	0.9%
Sudokut - Total Time (sec)	Normalized	37.36	36.35
	Standard Deviation	97.3%	100%
	Standard Deviation	0.7%	0.4%
drawing - R.T.P.I.C (sec)	Normalized	36.28	37.17
	Standard Deviation	100%	97.61%
	Standard Deviation	8.5%	6.5%
Minion - Solitaire (sec)	Normalized	259.00	250.52
	Standard Deviation	96.73%	100%
	Standard Deviation	0.1%	0.4%
PyBench - T.F.A.T.T (Milliseconds)	Normalized	3337	3292
	Standard Deviation	98.65%	100%
	Standard Deviation	0.6%	0.5%
SQLite - 12,500 INSERTs (sec)	Normalized	254.40	87.36
	Standard Deviation	34.34%	100%
	Standard Deviation	4.6%	1.5%
GMPbench - Total Time (GMPbench Score)	Normalized	10006	
	Standard Deviation	0%	
GraphicsMagick - HWB Color Space (Iterations/min)	Normalized	78	
	Standard Deviation	0.7%	
GraphicsMagick - L.A.T (Iterations/min)	Normalized	19	
	Standard Deviation	0%	
Crafty - Elapsed Time (sec)	Normalized	530.92	
	Standard Deviation	0.6%	
PostgreSQL pgbench - T.B.T.P.S (TPS)	Normalized	279.94	
	Standard Deviation	11%	

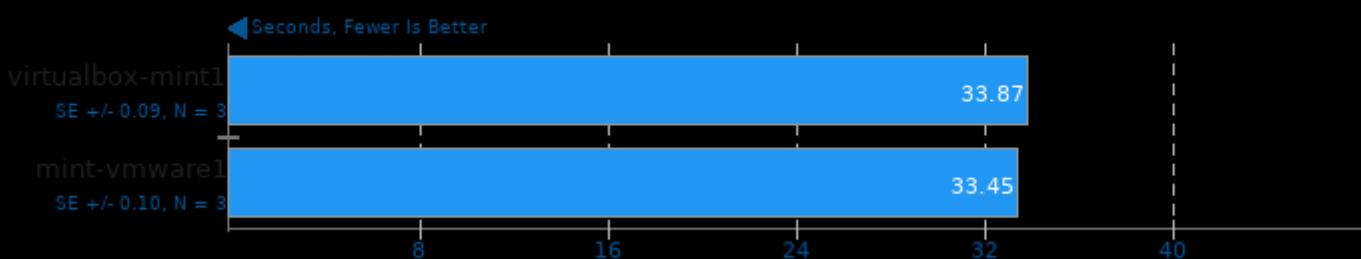
## LZMA Compression

256MB File Compression



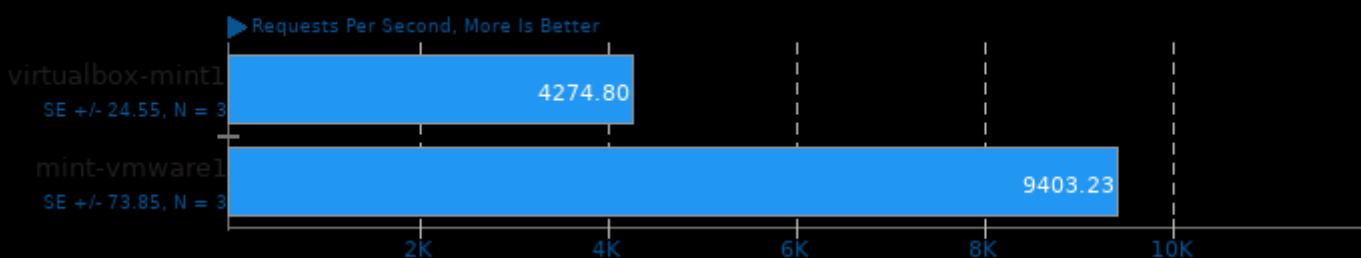
## Parallel BZIP2 Compression 1.0.5

256MB File Compression



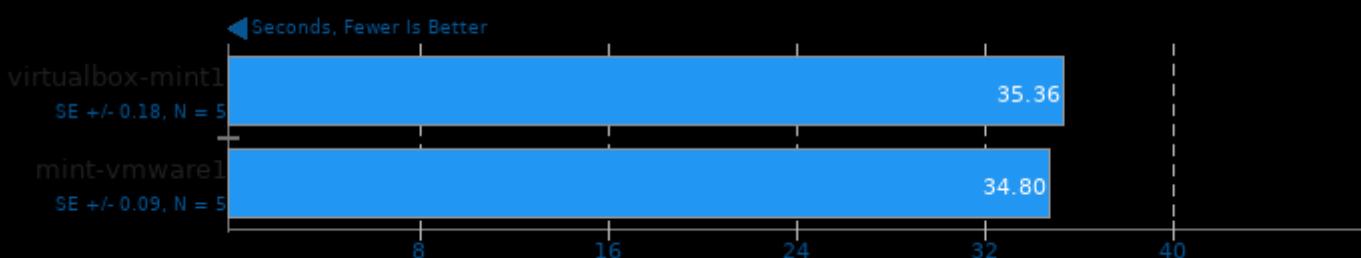
## Apache Benchmark 2.2.17

Static Web Page Serving



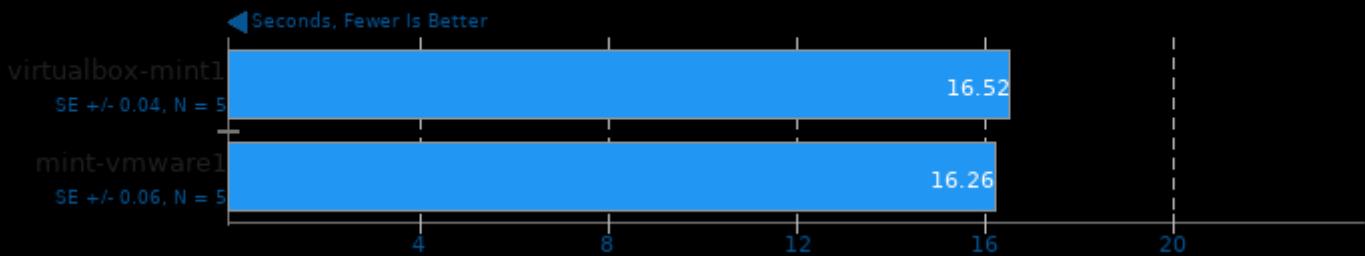
## LAME MP3 Encoding 3.98.2

WAV To MP3



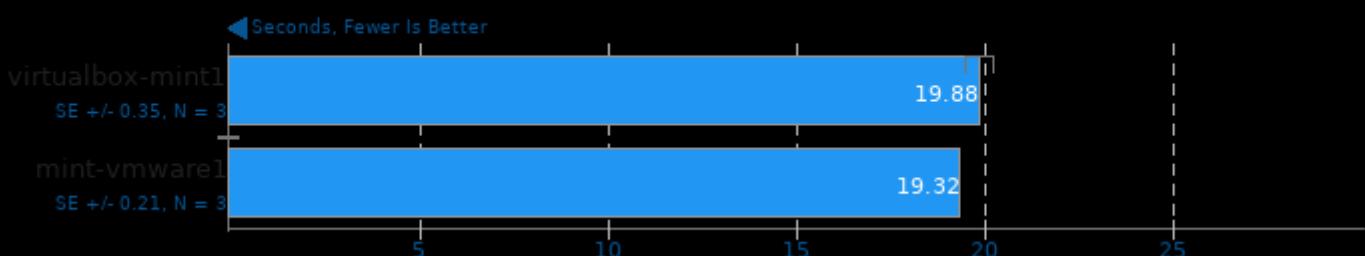
## Ogg Encoding 1.2.0

WAV To Ogg



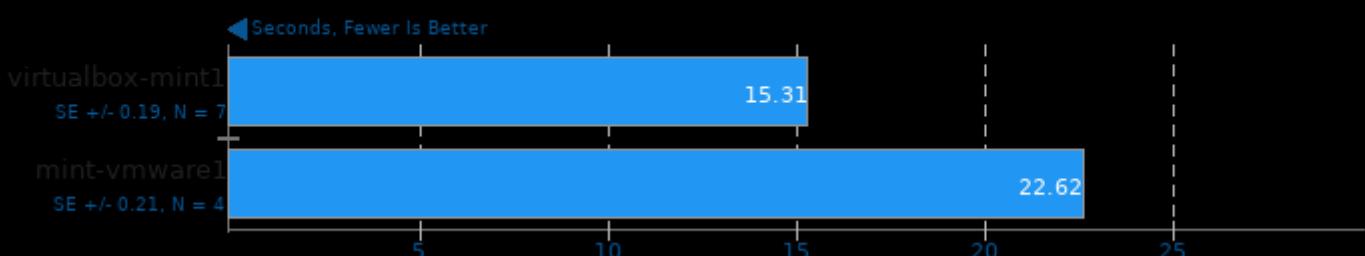
## FFmpeg 0.8.2

AVI To NTSC VCD



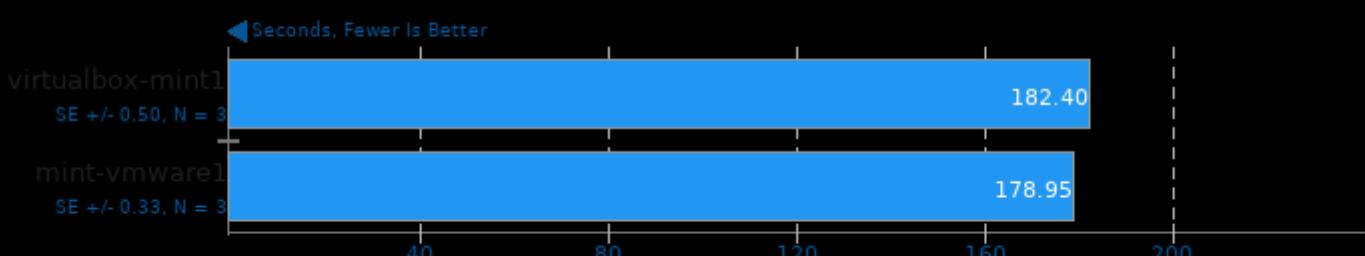
## GnuPG 1.4.10

1GB File Encryption



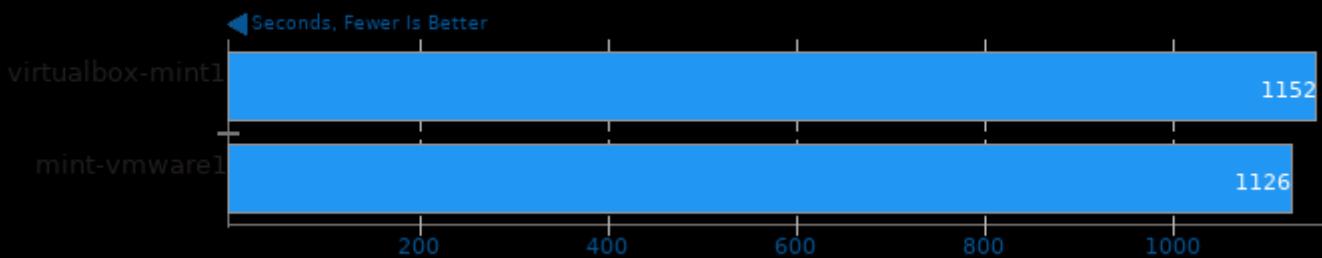
## C-Ray 1.1

Total Time



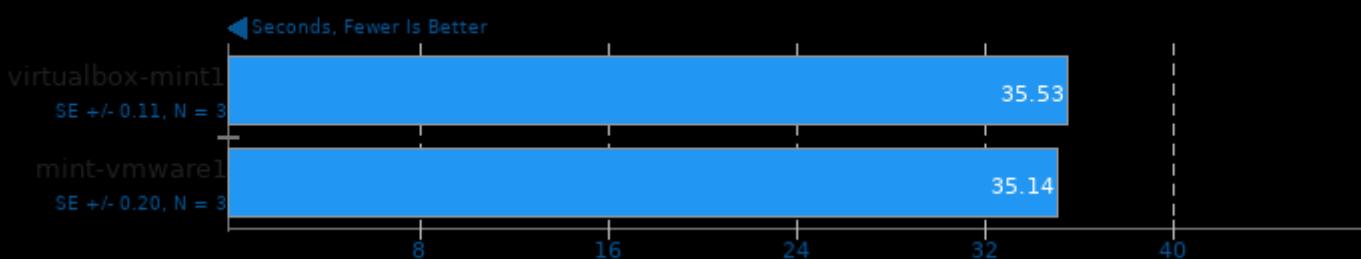
## POV-Ray 3.6.1

Total Time



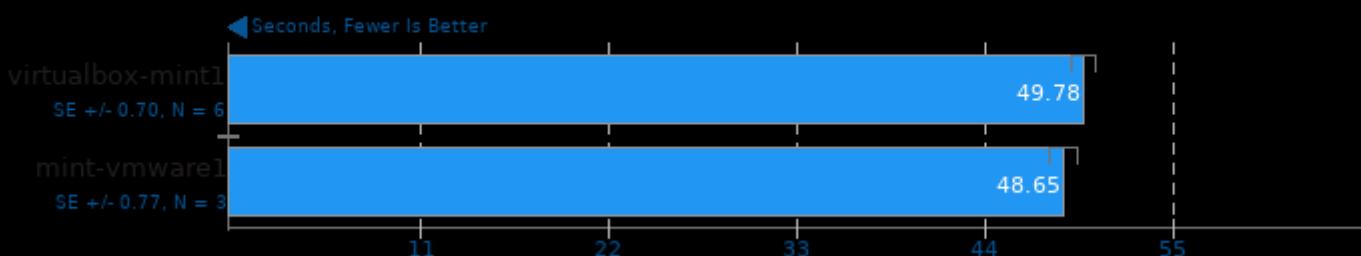
## Timed MAFFT Alignment 6.706

Multiple Sequence Alignment



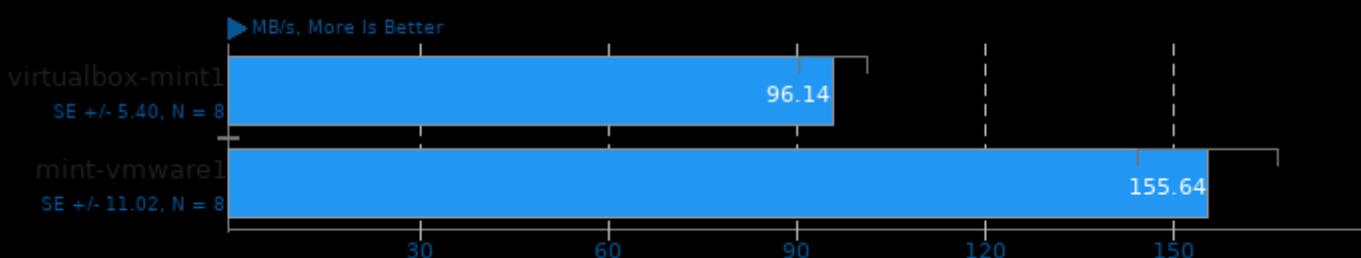
## Timed HMMer Search 2.3.2

Pfam Database Search



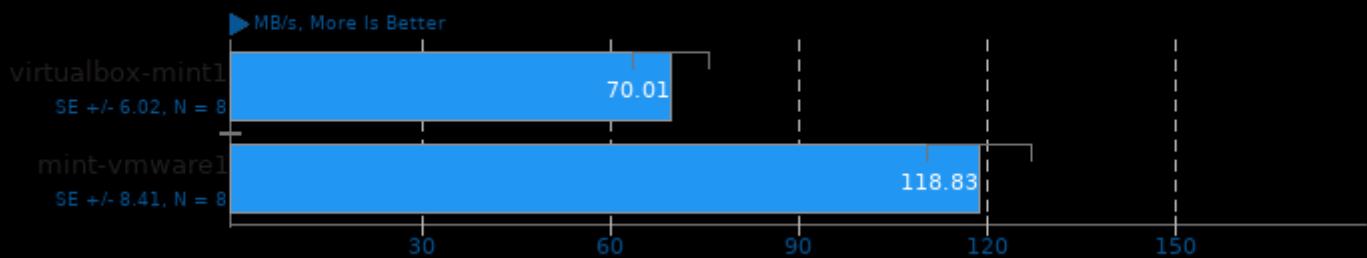
## Threaded I/O Tester 0.3.3

64MB Write - 32 Threads



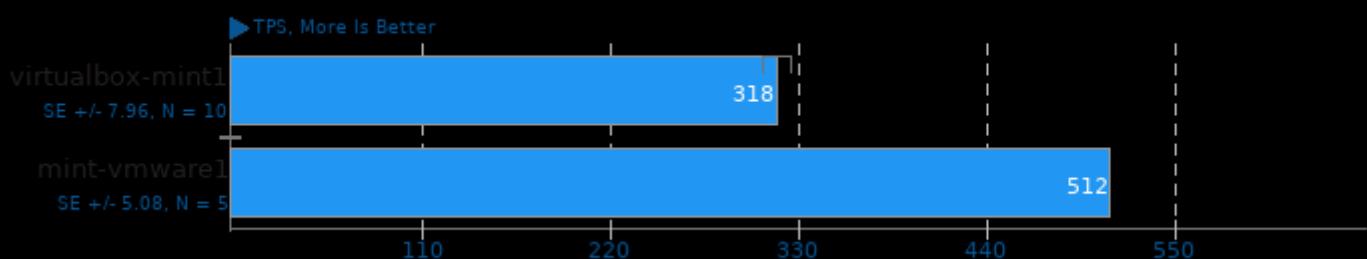
## Threaded I/O Tester 0.3.3

64MB Read - 32 Threads



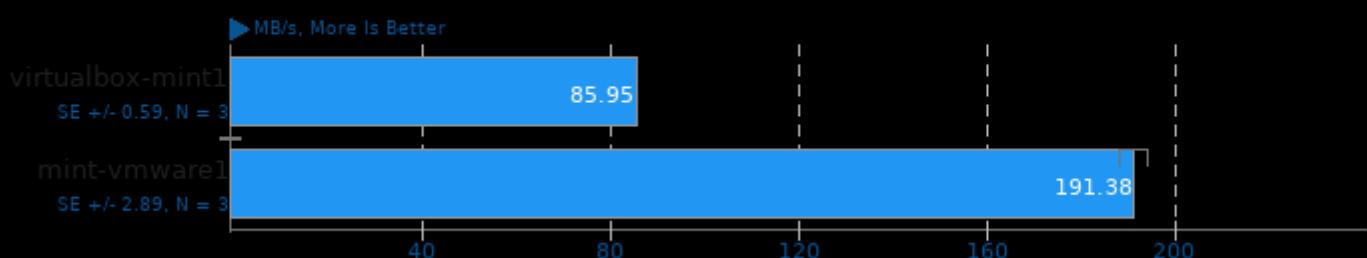
## PostMark 1.51

Disk Transaction Performance



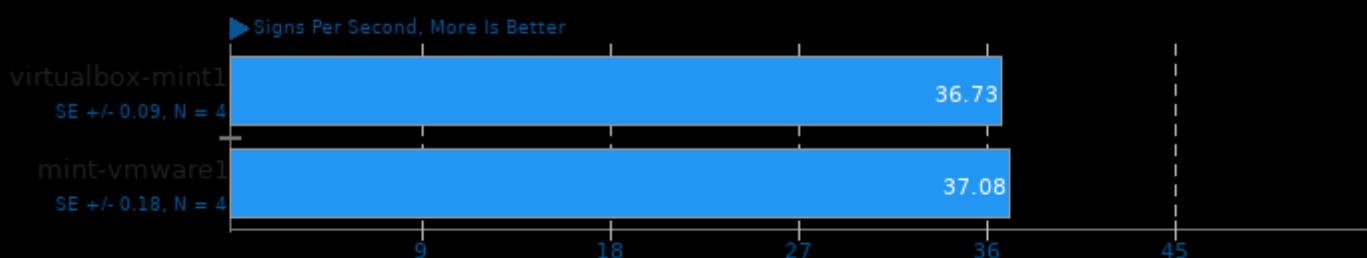
## Dbench 4.0

12 Clients



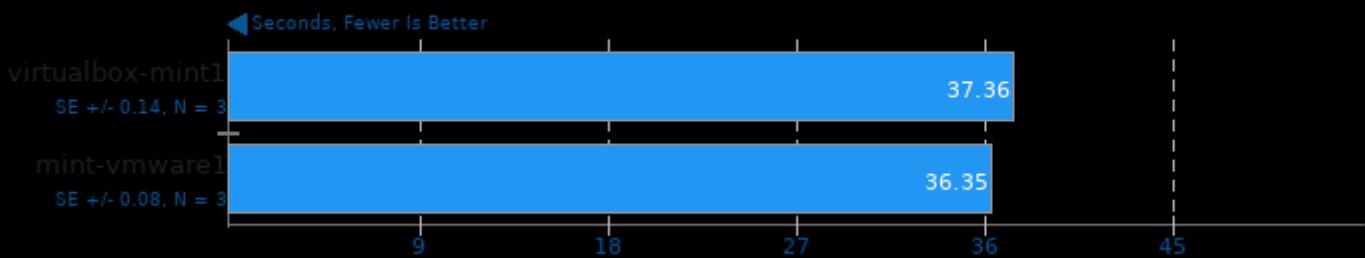
## OpenSSL 1.0.0a

RSA 4096-bit Performance



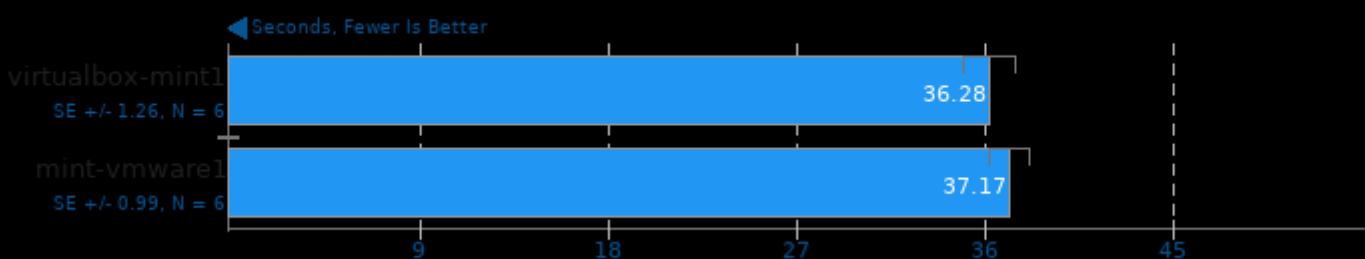
## Sudokut 0.4

Total Time



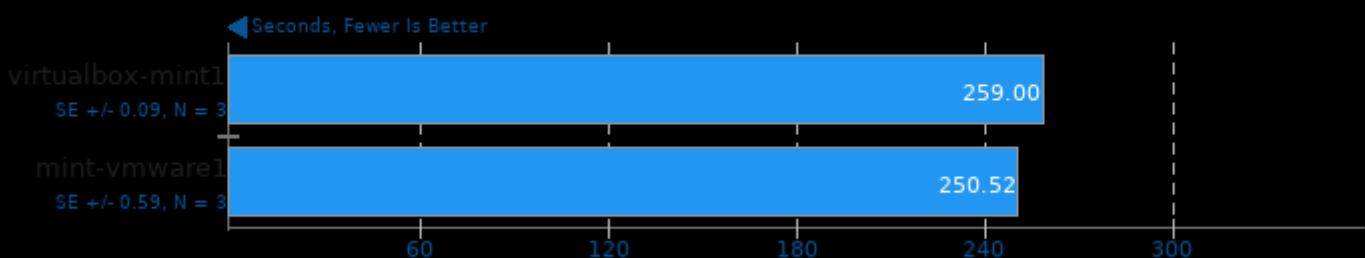
## dcraw

RAW To PPM Image Conversion



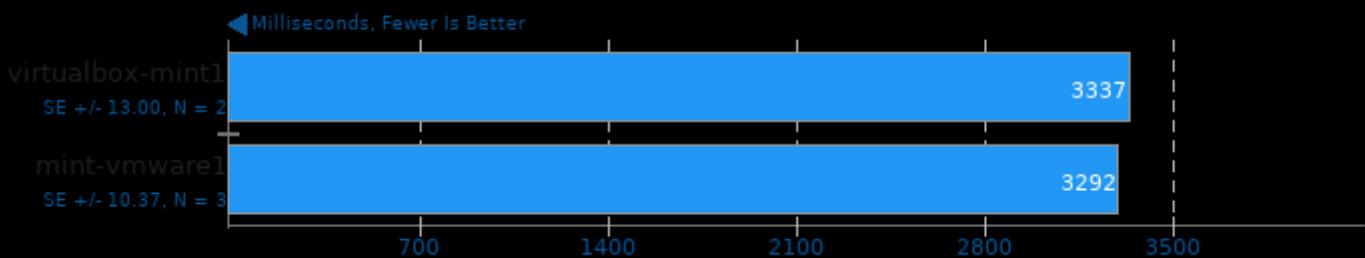
## Minion 0.9

Solitaire



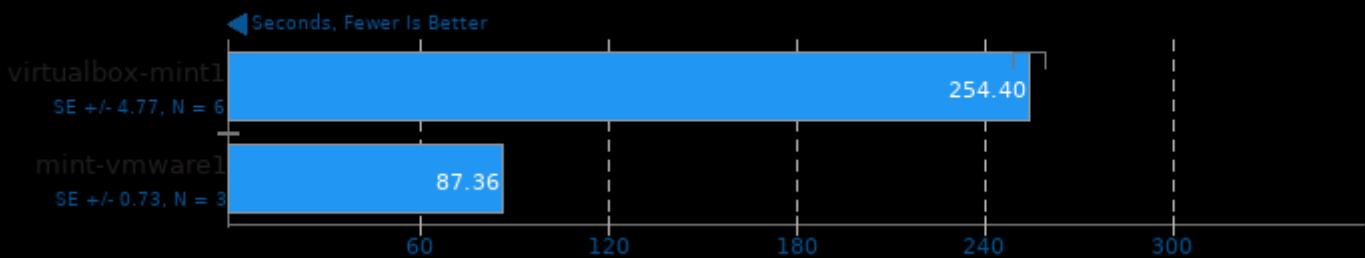
## PyBench 2008-08-14

Total For Average Test Times



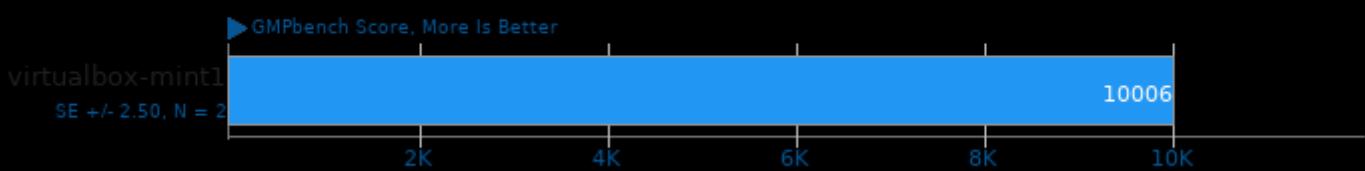
## SQLite 3.7.3

12,500 INSERTs



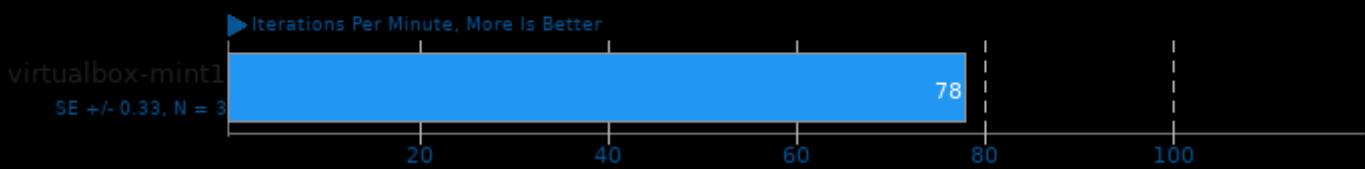
## GMPbench 0.1

Total Time



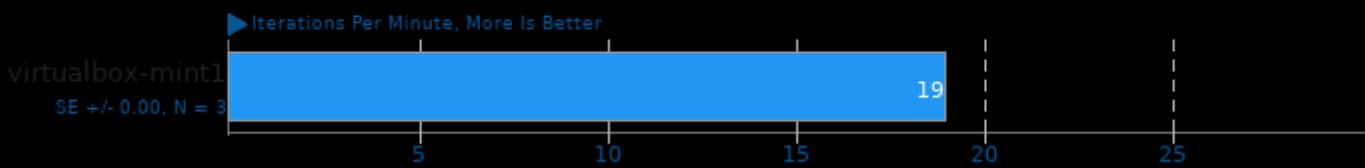
## GraphicsMagick 1.3.12

HWB Color Space



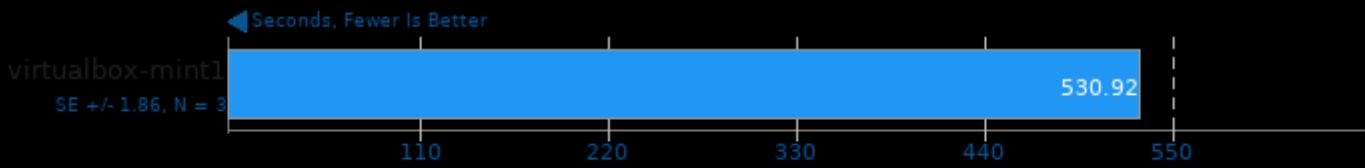
## GraphicsMagick 1.3.12

Local Adaptive Thresholding



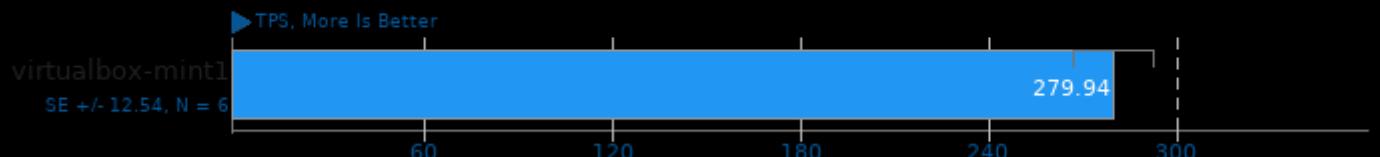
## Crafty 23.3

Elapsed Time

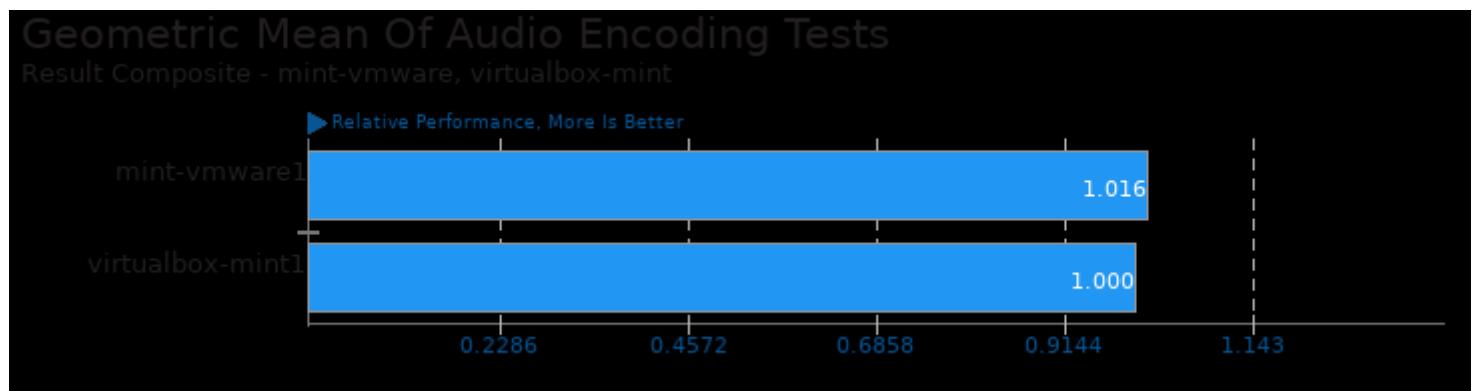


**PostgreSQL pgbench 9.0.4**

TPC-B Transactions Per Second



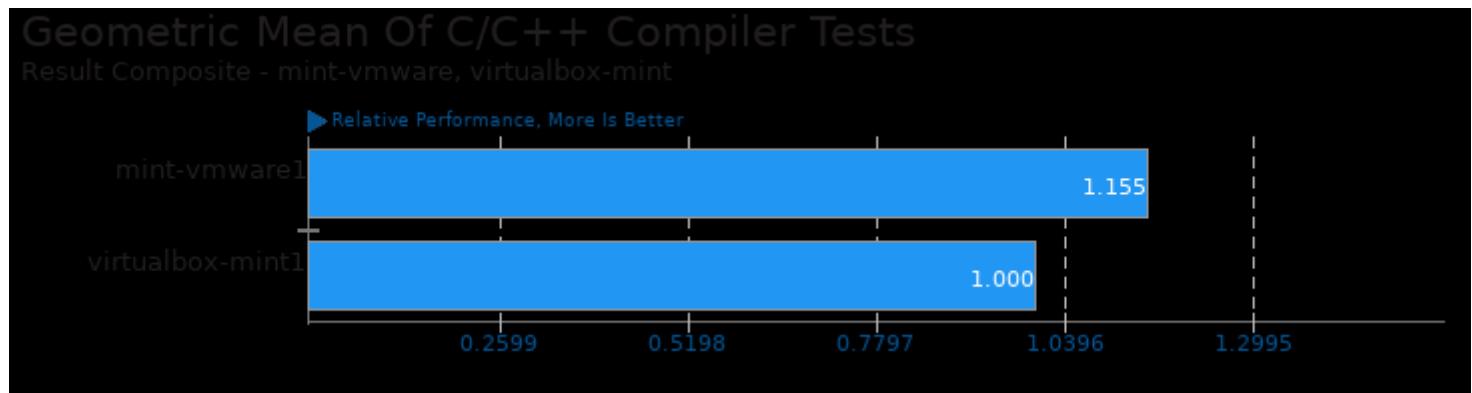
These geometric means are based upon test groupings / test suites for this result file.



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



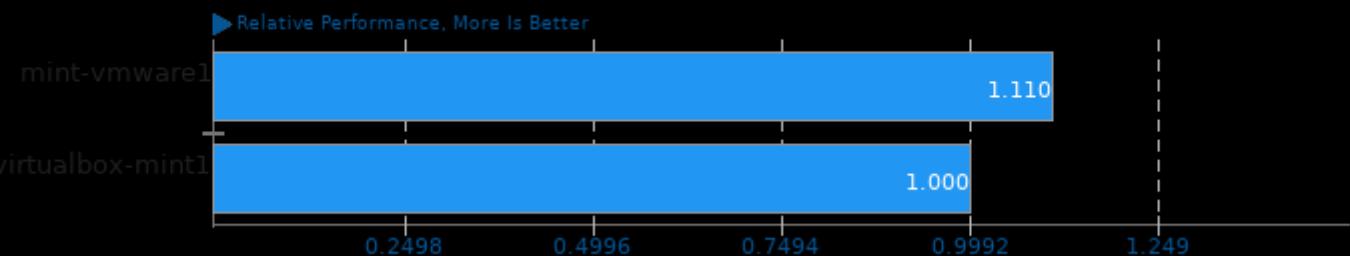
Geometric mean based upon tests: pts/hmmer and pts/mafft



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 Of CPU Massive Tests

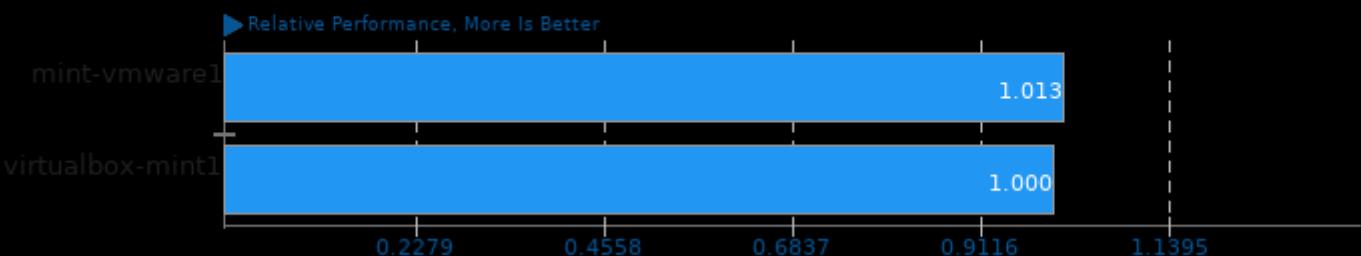
Result Composite - mint-vmware, virtualbox-mint



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

### Geometric Mean Of Creator Workloads Tests

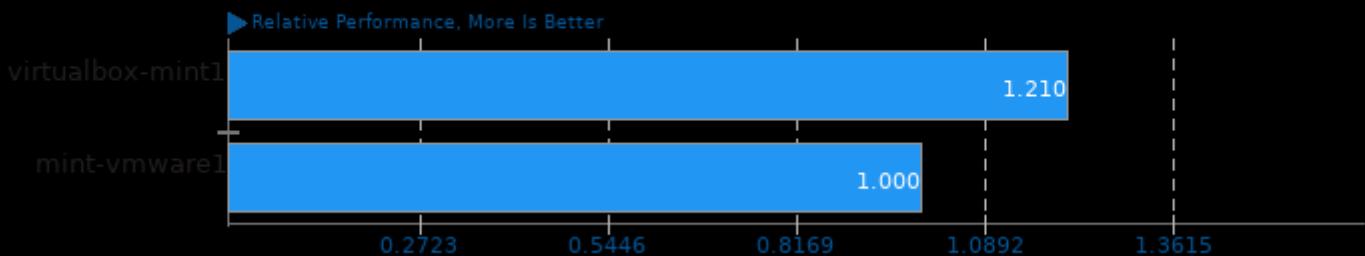
Result Composite - mint-vmware, virtualbox-mint



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 Of Cryptography Tests

Result Composite - mint-vmware, virtualbox-mint



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

## Geometric Mean Of Disk Test Suite

Result Composite - mint-vmware, virtualbox-mint

► Relative Performance, More Is Better

mint-vmware1

2.186

virtualbox-mint1

1.000

0.4919 0.9838 1.4757 1.9676 2.4595

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

## Geometric Mean Of Encoding Tests

Result Composite - mint-vmware, virtualbox-mint

► Relative Performance, More Is Better

mint-vmware1

1.020

virtualbox-mint1

1.000

0.2295 0.459 0.6885 0.918 1.1475

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

## Geometric Mean Of HPC - High Performance Computing Tests

Result Composite - mint-vmware, virtualbox-mint

► Relative Performance, More Is Better

mint-vmware1

1.017

virtualbox-mint1

1.000

0.2288 0.4576 0.6864 0.9152 1.144

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

## Geometric Mean Of Common Kernel Benchmarks Tests

Result Composite - mint-vmware, virtualbox-mint

► Relative Performance, More Is Better

mint-vmware1

1.529

virtualbox-mint1

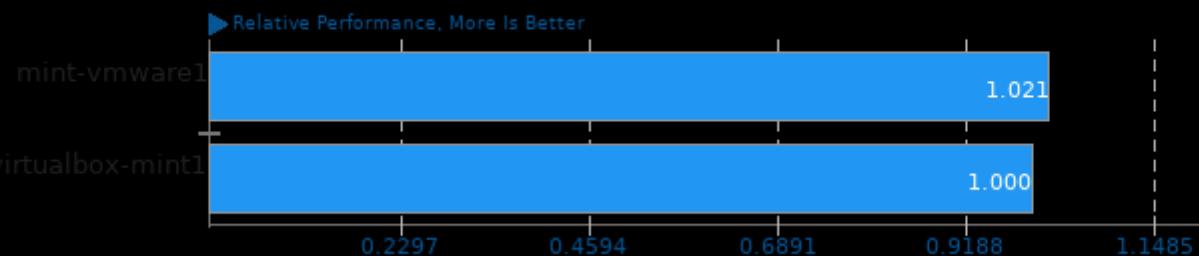
1.000

0.344 0.688 1.032 1.376 1.72

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

## Geometric Mean Of Multi-Core Tests

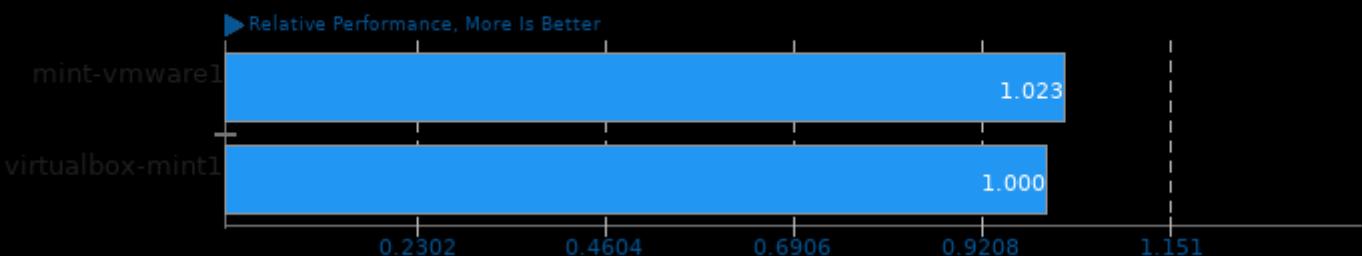
Result Composite - mint-vmware, virtualbox-mint



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

## Geometric Mean Of Raytracing Tests

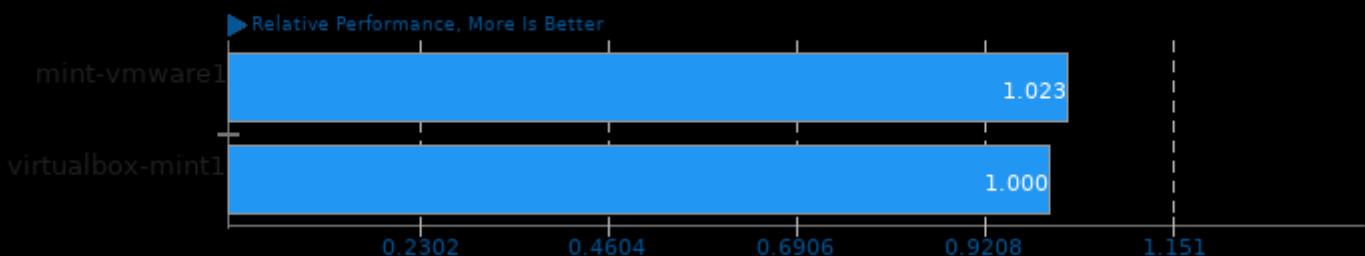
Result Composite - mint-vmware, virtualbox-mint



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

## Geometric Mean Of Renderers Tests

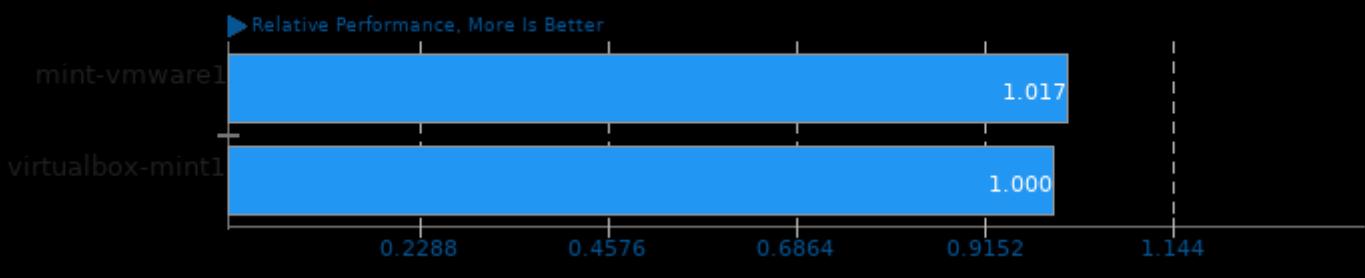
Result Composite - mint-vmware, virtualbox-mint



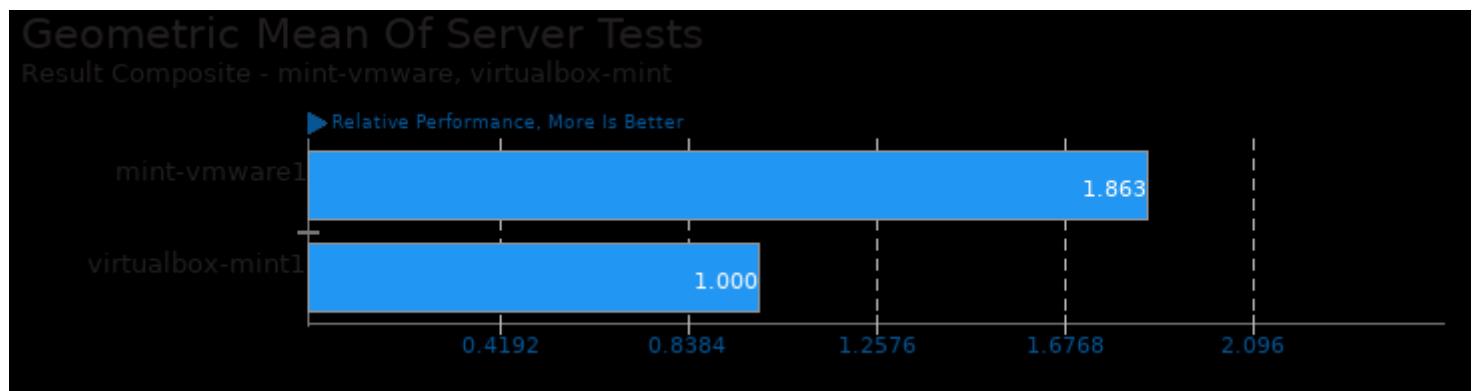
Geometric mean based upon tests: pts/c-ray and pts/povray

## Geometric Mean Of Scientific Computing Tests

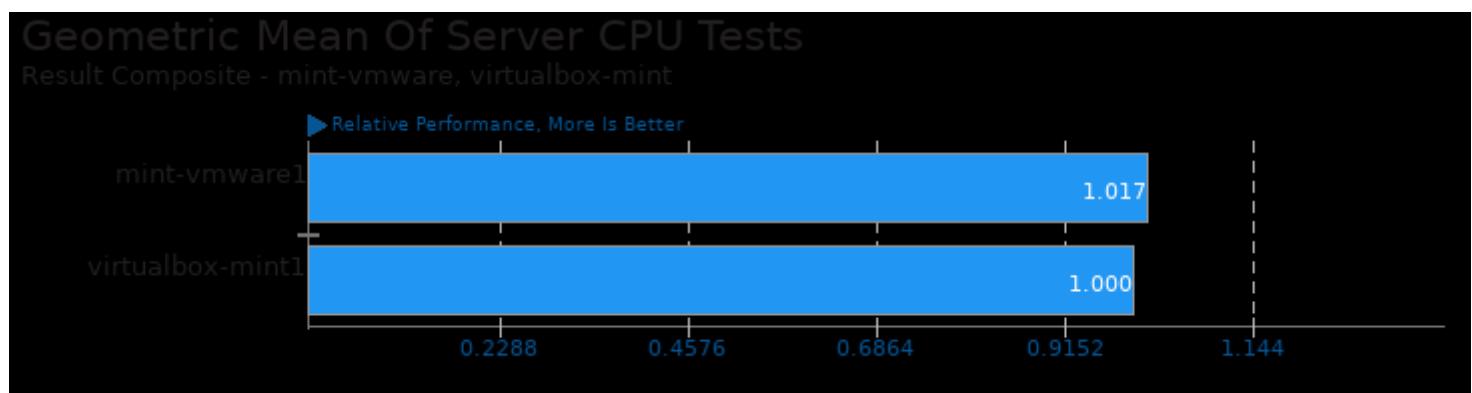
Result Composite - mint-vmware, virtualbox-mint



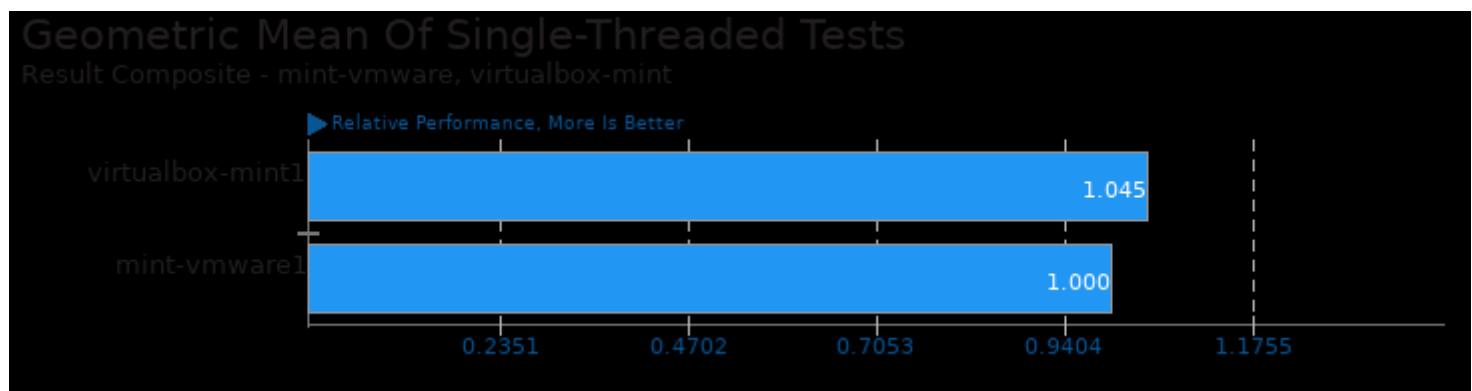
Geometric mean based upon tests: pts/hmmer and pts/mafft



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/draw, 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 13:00.*