



## test1

2 x Intel Xeon E5-2637 v4 testing with a Cisco UCSB-B200-M4 (B200M4.3.1.3i.0.032120171710 BIOS) and Matrox MGA G200e [Pilot] on OracleServer 6.10 via the Phoronix Test Suite.

## Test Systems:

### test1

Processor: 2 x Intel Xeon E5-2637 v4 @ 3.70GHz (8 Cores / 16 Threads), Motherboard: Cisco UCSB-B200-M4 (B200M4.3.1.3i.0.032120171710 BIOS), Chipset: Intel Xeon E7 v4/Xeon, Memory: 16384 MB + 32 GB + 16384 MB + 32 GB DDR4-2133MHz, Disk: 12 x 54GB FlashArray + 12 x 215GB FlashArray, Graphics: Matrox MGA G200e [Pilot], Network: Cisco VIC NIC

OS: OracleServer 6.10, Kernel: 4.1.12-124.32.3.el6uek.x86\_64 (x86\_64), Compiler: GCC 4.4.7 20120313, File-System: ext4

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: DEADLINE / data=ordered,relatime,rw,stripe=1024

Processor Notes: Scaling Governor: intel\_pstate powersave

Java Notes: This is free software; see the source for copying conditions. There NO

Python Notes: Python 2.6.6 + Python 3.4.10

Security Notes: I1tf: Mitigation of PTE Inversion + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full generic retpoline IBRS\_FW IBPB

test1	
SQLite - T.S.I (sec)	57.96
Standard Deviation	10.2%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 2MB (MB/s)	2281
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (MB/s)	119
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB (IOPS)	30433
Standard Deviation	0.2%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 2MB (MB/s)	2275
Standard Deviation	0.1%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (MB/s)	111
Standard Deviation	0.9%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB (IOPS)	28367
Standard Deviation	0.7%
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 2MB (MB/s)	2281
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (MB/s)	119
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB (IOPS)	30400
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 2MB (MB/s)	2274
Standard Deviation	0.1%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (MB/s)	108
Standard Deviation	0.5%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB (IOPS)	27667
Standard Deviation	0.6%
FS-Mark - 1.F.1.S (Files/s)	111.40
Standard Deviation	1.1%
FS-Mark - 5.F.1.S.4.T (Files/s)	359.33
Standard Deviation	0.4%
FS-Mark - 4.F.3.S.D.1.S (Files/s)	110.30
Standard Deviation	1.6%
FS-Mark - 1.F.1.S.N.S.F (Files/s)	1105
Standard Deviation	7.2%
Dbench - 12 Clients (MB/s)	638.25
Standard Deviation	2.7%
Dbench - 1 Clients (MB/s)	126.70
Standard Deviation	22.3%
Compile Bench - Compile (MB/s)	1260
Standard Deviation	0.4%
Compile Bench - Initial Create (MB/s)	288.62
Standard Deviation	2.9%
Compile Bench - Read Compiled Tree (MB/s)	513.65
Standard Deviation	1.1%
PostMark - D.T.P (TPS)	4167
Standard Deviation	1.7%

**RAMspeed SMP - Integer Add (MB/s)** 18800  
**RAMspeed SMP - Integer Copy (MB/s)** 16890  
**RAMspeed SMP - Integer Scale (MB/s)** 16768  
**RAMspeed SMP - Floating-Point Add (MB/s)** 18871  
     **Stream - Copy (MB/s)** 29844  
         Standard Deviation 0.4%  
     **Stream - Scale (MB/s)** 29751  
         Standard Deviation 0.4%  
     **Stream - Triad (MB/s)** 34485  
         Standard Deviation 0.4%  
     **Stream - Add (MB/s)** 34434  
         Standard Deviation 0.4%  
     **Stream - Copy (MB/s)** 29844  
         Standard Deviation 0.4%  
     **Stream - Scale (MB/s)** 29751  
         Standard Deviation 0.4%  
     **Stream - Add (MB/s)** 34434  
         Standard Deviation 0.4%  
**Tinymembench - Standard Memcpy (MB/s)** 8544  
     Standard Deviation 16.4%  
**Tinymembench - Standard Memset (MB/s)** 20576  
     Standard Deviation 4.8%  
**MBW - Memory Copy - 1024 MiB (MiB/s)** 9161  
     Standard Deviation 0.4%  
     **MBW - M.C.F.B.S - 1024 MiB (MiB/s)** 4667  
         Standard Deviation 13.9%  
**Socketperf - Throughput (Messages/sec)** 375867  
     Standard Deviation 4.3%  
     **Socketperf - Latency Ping Pong (usec)** 5.29  
         Standard Deviation 6.6%  
     **Socketperf - Latency Under Load (usec)** 23.45  
         Standard Deviation 19.2%  
     **Ethr - TCP - Latency - 1 (us)** 25.73  
         Standard Deviation 10.6%  
     **Ethr - HTTP - Bandwidth - 1 (Mbits/s)** 676.01  
         Standard Deviation 1.8%  
**Ethr - TCP - Connections/s - 1 (Connections/sec)** 636067  
     Standard Deviation 9.6%  
     **Timed HMMer Search - P.D.S (sec)** 7.42  
         Standard Deviation 3%  
     **Timed MAFFT Alignment - M.S.A (sec)** 3.51  
         Standard Deviation 0.8%  
**Java SciMark - FFT Performance (Mflops)** 27.84  
     Standard Deviation 0.2%  
**Java SciMark - SOR Performance (Mflops)** 96.12  
     Standard Deviation 0.2%  
     **Java SciMark - C.P (Mflops)** 48.67  
         Standard Deviation 0.2%  
     **Java SciMark - M.C.P (Mflops)** 8.08  
         Standard Deviation 1.3%  
     **Bork File Encrypter - F.E.T (sec)** 561.51  
         Standard Deviation 1.6%

---

<b>Fhourstones - C.C.4.S (Kpos / sec)</b>	11424
Standard Deviation	10.6%
<b>BYTE Unix Benchmark - Dhrystone 2 (LPS)</b>	31478634
Standard Deviation	3.5%
<b>CacheBench - Read Cache (MB/s)</b>	3121
Standard Deviation	0.2%
<b>CacheBench - Write Cache (MB/s)</b>	23487
Standard Deviation	4.3%
<b>SciMark - Composite (Mflops)</b>	592.18
Standard Deviation	1.3%
<b>Gcrypt Library - C.E.C (us)</b>	2077
Standard Deviation	0.3%
<b>Crafty - Elapsed Time (Nodes/s)</b>	6784015
Standard Deviation	1.2%
<b>TSCP - A.C.P (Nodes/s)</b>	1182535
Standard Deviation	2.5%
<b>John The Ripper - Blowfish (Real C/S)</b>	12132
Standard Deviation	0%
<b>John The Ripper - MD5 (Real C/S)</b>	395016
Standard Deviation	0%
<b>7-Zip Compression - C.S.T (MIPS)</b>	38993
Standard Deviation	0.7%
<b>asmFish - 1.H.M.2.D (Nodes/s)</b>	20731588
Standard Deviation	1.8%
<b>Timed Apache Compilation - Time To Compile (sec)</b>	26.51
Standard Deviation	1.1%
<b>Timed GCC Compilation - Time To Compile (sec)</b>	1235
Standard Deviation	0.9%
<b>Timed ImageMagick Compilation - Time To Compile (sec)</b>	30.57
Standard Deviation	2.3%
<b>Timed PHP Compilation - Time To Compile (sec)</b>	52.38
Standard Deviation	1.3%
<b>Parallel BZIP2 Compression - 2.F.C (sec)</b>	5.56
Standard Deviation	7.6%
<b>Gzip Compression - L.S.T.A.T.t.g (sec)</b>	42.04
Standard Deviation	2.7%
<b>XZ Compression - C.u.1.0.3.s.i.i.C.L.9 (sec)</b>	33.97
Standard Deviation	2.9%
<b>Zstd Compression - C.u.1.0.3.s.i.i.C.L.1 (sec)</b>	26.58
Standard Deviation	2.7%
<b>dcraw - R.T.P.I.C (sec)</b>	51.11
Standard Deviation	1.7%
<b>FLAC Audio Encoding - WAV To FLAC (sec)</b>	14.45
Standard Deviation	1.7%
<b>LAME MP3 Encoding - WAV To MP3 (sec)</b>	35.39
Standard Deviation	1.5%
<b>eSpeak Speech Engine - T.T.S.S (sec)</b>	35.45
Standard Deviation	2.8%
<b>FFmpeg - H.2.H.T.N.D (sec)</b>	13.72
Standard Deviation	2.7%
<b>GnuPG - 2.F.E (sec)</b>	15.48
Standard Deviation	0.4%
<b>Sudokut - Total Time (sec)</b>	31.24

Standard Deviation 0.1%

**OpenSSL - R.4.b.P (Signs/sec)** 1349

Standard Deviation 0%

**PostgreSQL pgbench - Buffer Test - Normal Load - Read Only (TPS)** 164666

Standard Deviation 0.2%

**PostgreSQL pgbench - Buffer Test - Normal Load - Read Write** 7437

Standard Deviation 2.9%

**PostgreSQL pgbench - Buffer Test - Single Thread - Read Only** 15763

Standard Deviation 5.9%

**PostgreSQL pgbench - Buffer Test - Single Thread - Read Write** 830.00

Standard Deviation 2.6%

**PostgreSQL pgbench - Buffer Test - Heavy Contention - Read Only** 167196

**(TPS)**

Standard Deviation 0.2%

**PostgreSQL pgbench - Buffer Test - Heavy Contention - Read Write** 9413

**(TPS)**

Standard Deviation 1.6%

**Redis - LPOP (Reqs/sec)** 1470678

Standard Deviation 2.9%

**Redis - SADD (Reqs/sec)** 1148804

Standard Deviation 1.8%

**Redis - LPUSH (Reqs/sec)** 672325

Standard Deviation 1.7%

**Redis - GET (Reqs/sec)** 1459955

Standard Deviation 1%

**Redis - SET (Reqs/sec)** 1073444

Standard Deviation 1.2%

**NGINX Benchmark - S.W.P.S (Reqs/sec)** 28192

Standard Deviation 0.9%

**Apache Benchmark - S.W.P.S (Reqs/sec)** 28686

Standard Deviation 2.1%

**Apache Siege - 250 (Transactions/sec)** 31133

Standard Deviation 0.1%

**PHPBench - P.B.S (Score)** 141937

Standard Deviation 3.7%

### SQLite 3.30.1

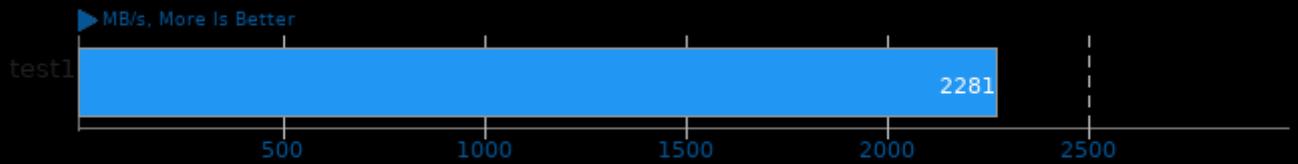
Timed SQLite Insertions



1. (CC) gcc options: -O2 -freadline -ftermcap -lz -lm -ldl -lpthread

### Flexible IO Tester 3.1

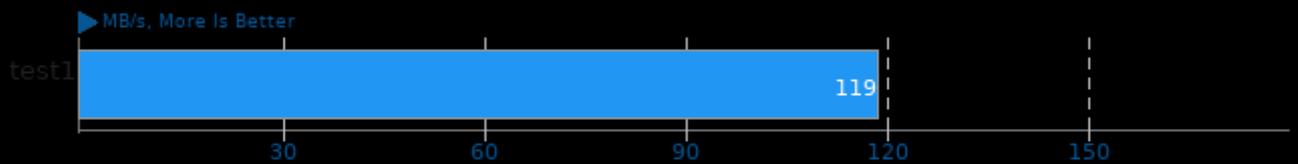
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

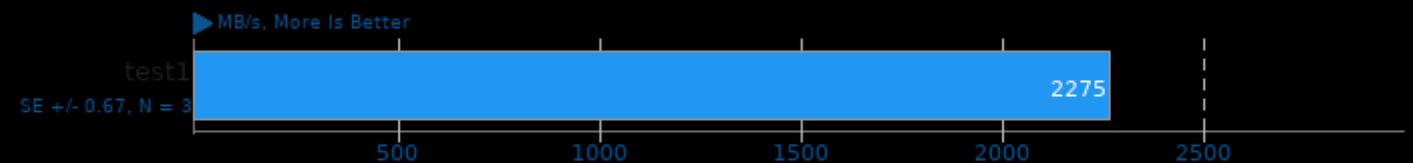
Type: Random Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

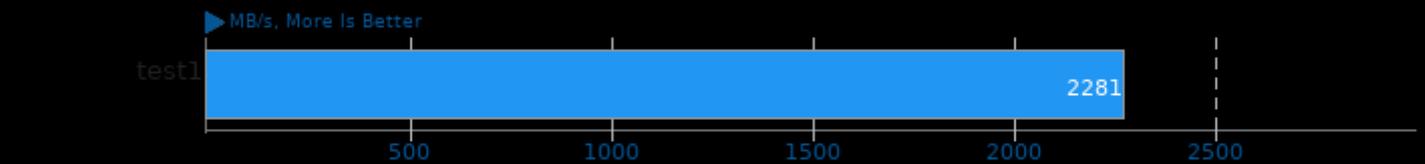
Type: Random Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Sequential Read - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 2MB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

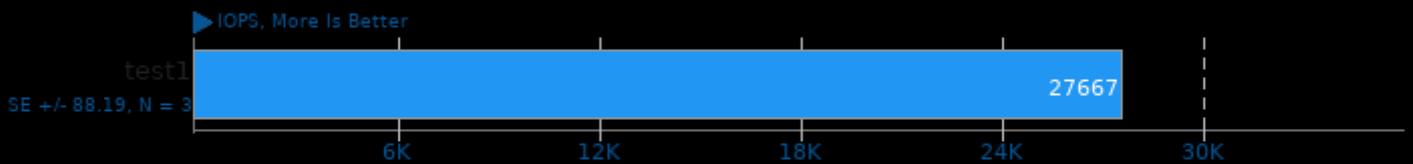
Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### Flexible IO Tester 3.1

Type: Sequential Write - IO Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: Default Test Directory



1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -U\_FORTIFY\_SOURCE -lrt -laio -lz -lm -lpthread -ldl

### FS-Mark 3.3

Test: 1000 Files, 1MB Size



1. (CC) gcc options: -static

### FS-Mark 3.3

Test: 5000 Files, 1MB Size, 4 Threads



1. (CC) gcc options: -static

### FS-Mark 3.3

Test: 4000 Files, 32 Sub Dirs, 1MB Size



1. (CC) gcc options: -static

### FS-Mark 3.3

Test: 1000 Files, 1MB Size, No Sync/FSync



1. (CC) gcc options: -static

### Dbench 4.0

12 Clients



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

### Dbench 4.0

1 Clients



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

### Compile Bench 0.6

Test: Compile



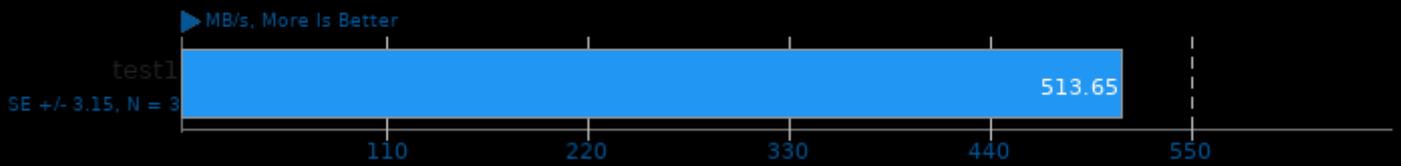
### Compile Bench 0.6

Test: Initial Create



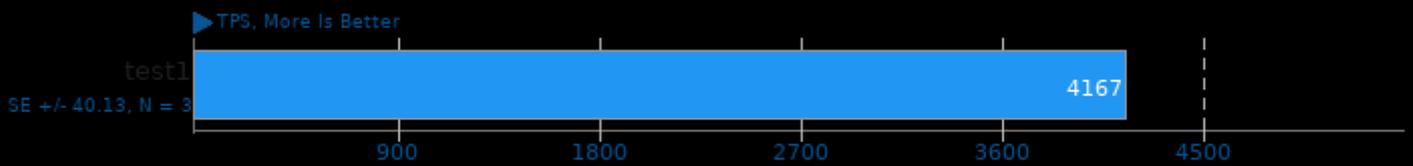
### Compile Bench 0.6

Test: Read Compiled Tree



### PostMark 1.51

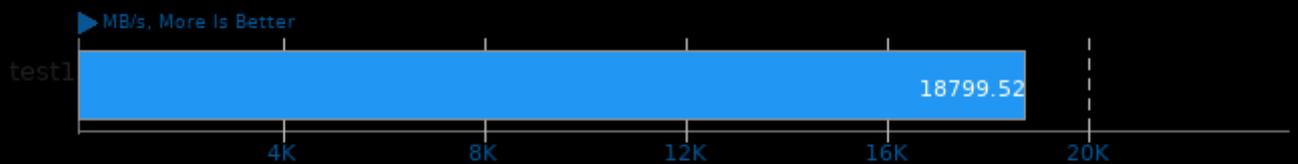
Disk Transaction Performance



1. (CC) gcc options: -O3

### RAMspeed SMP 3.5.0

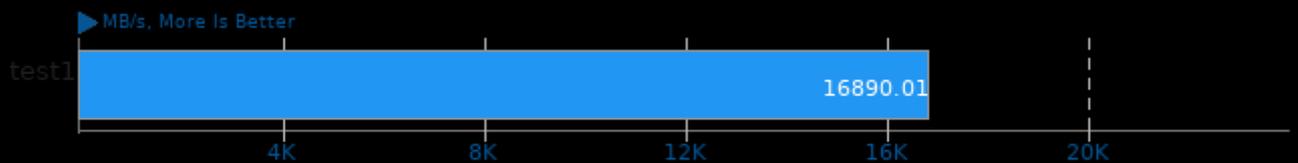
Integer Add



1. (CC) gcc options: -O3 -march=native

### RAMspeed SMP 3.5.0

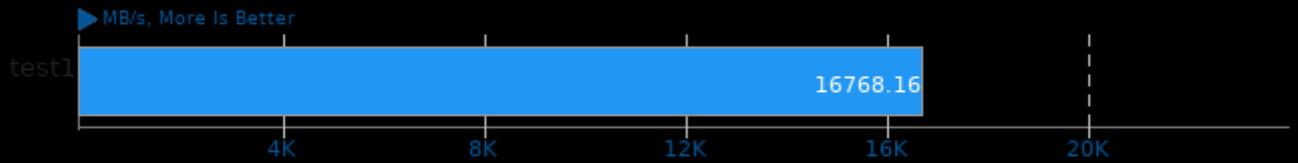
Integer Copy



1. (CC) gcc options: -O3 -march=native

### RAMspeed SMP 3.5.0

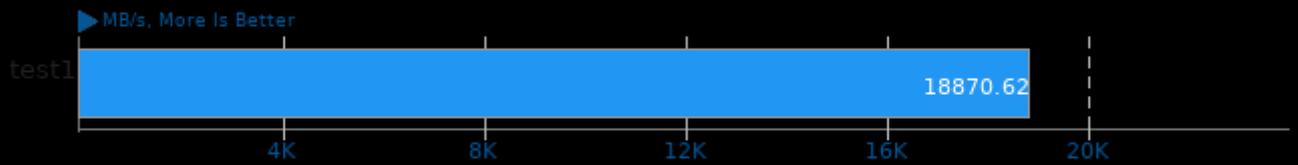
Integer Scale



1. (CC) gcc options: -O3 -march=native

### RAMspeed SMP 3.5.0

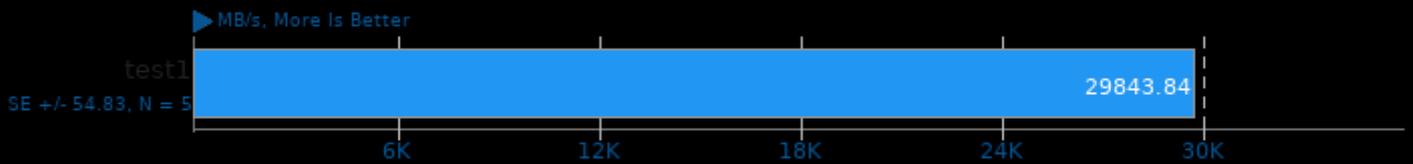
Floating-Point Add



1. (CC) gcc options: -O3 -march=native

### Stream 2013-01-17

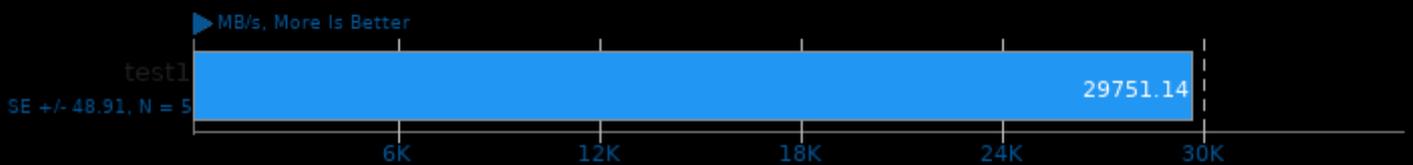
Type: Copy



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

Type: Scale



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

Type: Triad



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

Add



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

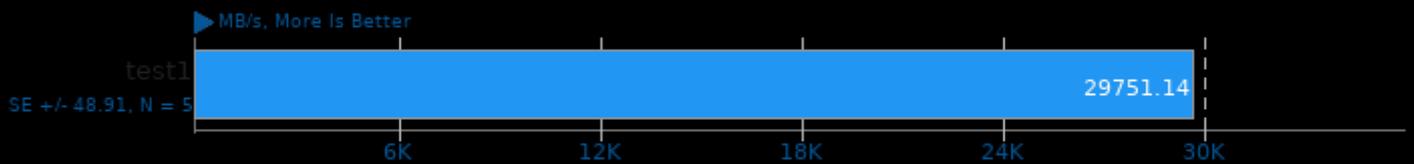
Copy



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

Scale



1. (CC) gcc options: -O3 -march=native -fopenmp

### Stream 2013-01-17

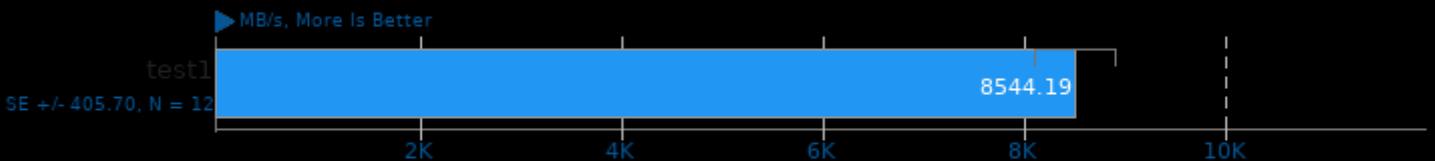
Type: Add



1. (CC) gcc options: -O3 -march=native -fopenmp

### Tinymembench 2018-05-28

Standard Memcpy



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

### Tinymembench 2018-05-28

Standard Memset



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

### MBW 2018-09-08

Test: Memory Copy - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

### MBW 2018-09-08

Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

### Socketperf 3.4

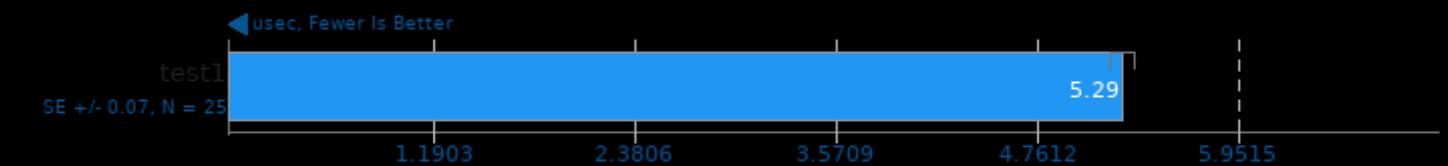
Test: Throughput



1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lrt

### Socketperf 3.4

Test: Latency Ping Pong



1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lrt

### Socketperf 3.4

Test: Latency Under Load



1. (CXX) g++ options: -param -O3 -rdynamic -ldl -lrt

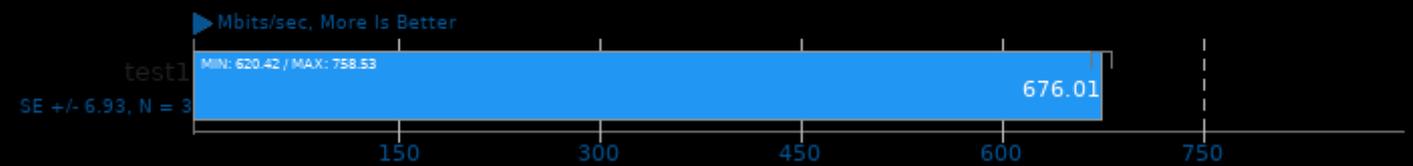
### Ethr 2019-01-02

Server Address: localhost - Protocol: TCP - Test: Latency - Threads: 1



### Ethr 2019-01-02

Server Address: localhost - Protocol: HTTP - Test: Bandwidth - Threads: 1



### Ethr 2019-01-02

Server Address: localhost - Protocol: TCP - Test: Connections/s - Threads: 1



### Timed HMMer Search 2.3.2

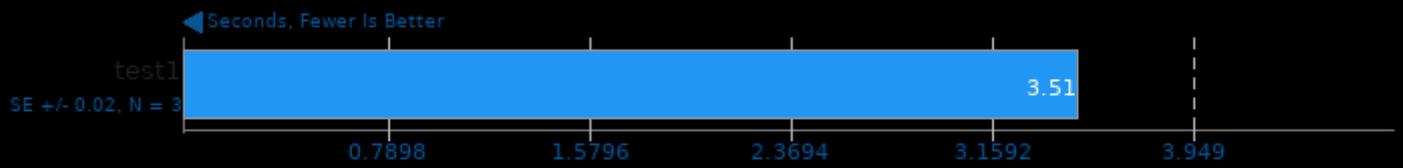
Pfam Database Search



1. (CC) gcc options: -O2 -pthread -lhmmmer -lsquid -lm

### Timed MAFFT Alignment 7.392

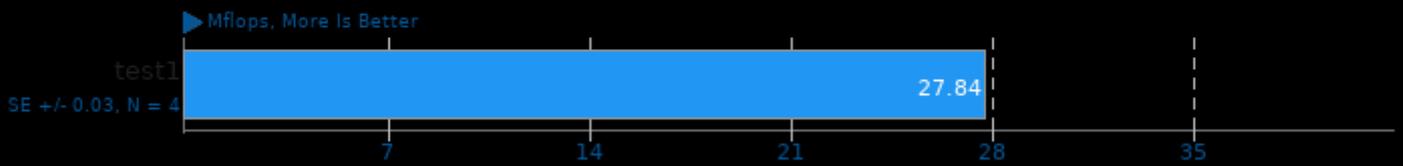
Multiple Sequence Alignment



1. (CC) gcc options: -std=c99 -O3 -lm -pthread

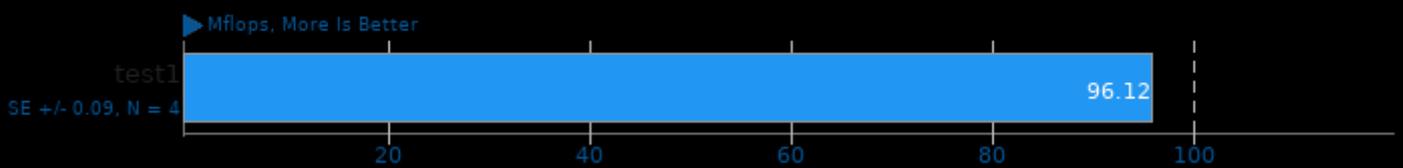
### Java SciMark 2.0

FFT Performance



### Java SciMark 2.0

SOR Performance



### Java SciMark 2.0

Composite Performance



### Java SciMark 2.0

Monte Carlo Performance



### Bork File Encrypter 1.4

File Encryption Time



### Fhourstones 3.1

Complex Connect-4 Solving



1. (CC) gcc options: -O3

### BYTE Unix Benchmark 3.6

Dhrystone 2



### CacheBench

Read Cache



1. (CC) gcc options: -lrt

### CacheBench

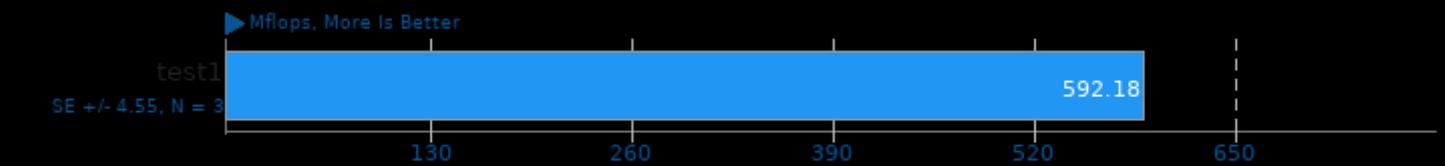
Write Cache



1. (CC) gcc options: -lrt

### SciMark 2.0

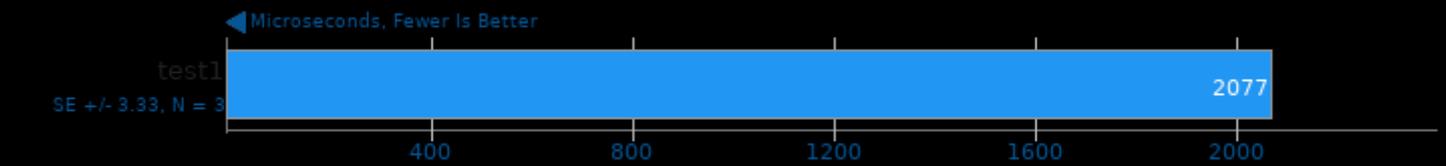
Composite



1. (CC) gcc options: -lm

### Gcrypt Library 1.4.4

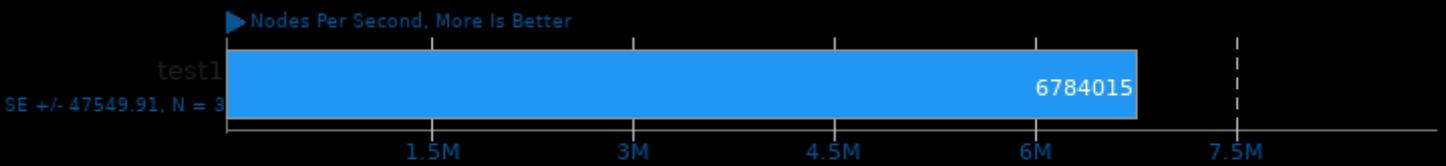
CAMELLIA256-ECB Cipher



1. (CC) gcc options: -O2 -fvisibility=hidden

### Crafty 25.2

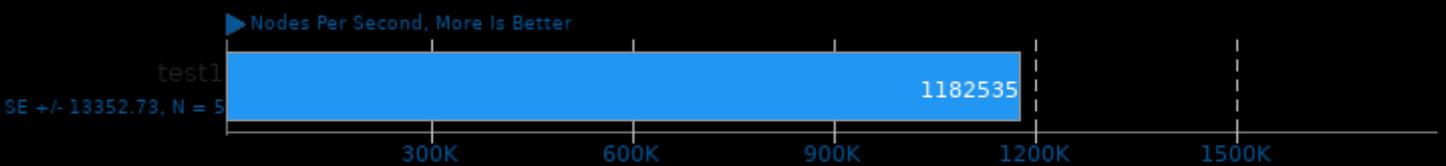
Elapsed Time



1. (CC) gcc options: -pthread -lstdc++ -fprofile-use -lm

### TSCP 1.81

AI Chess Performance



1. (CC) gcc options: -O3 -march=native

### John The Ripper 1.9.0-jumbo-1

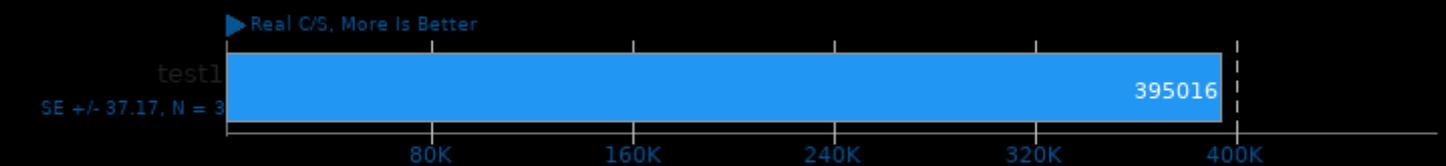
Test: Blowfish



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

### John The Ripper 1.9.0-jumbo-1

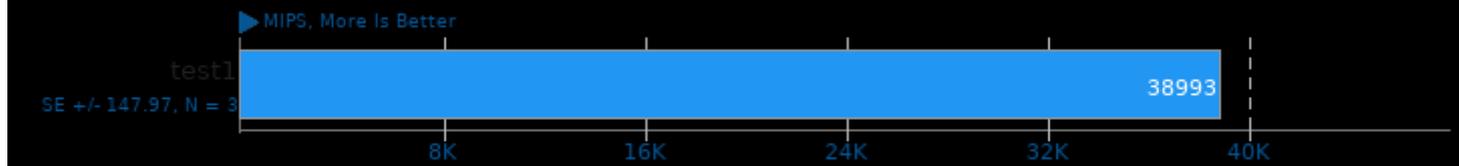
Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

## 7-Zip Compression 16.02

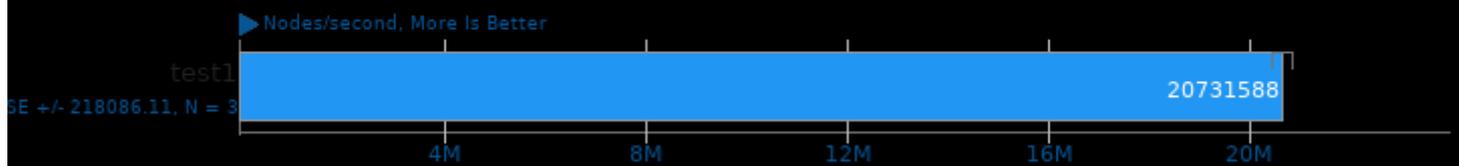
Compress Speed Test



1. (CXX) g++ options: -pipe -pthread

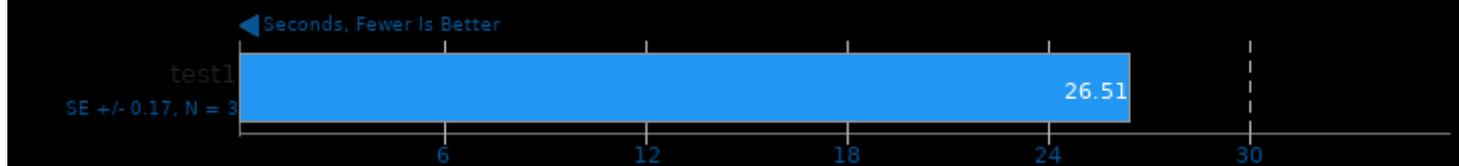
## asmFish 2018-07-23

1024 Hash Memory, 26 Depth



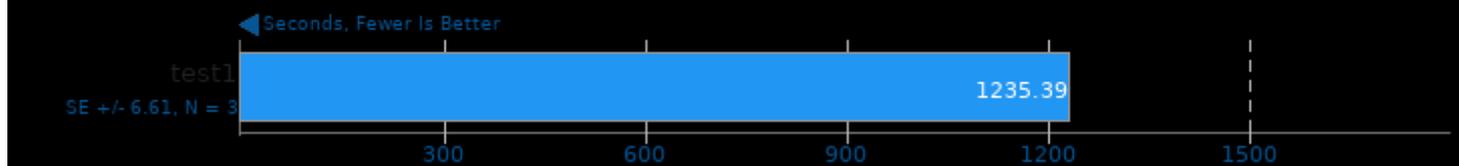
## Timed Apache Compilation 2.4.7

Time To Compile



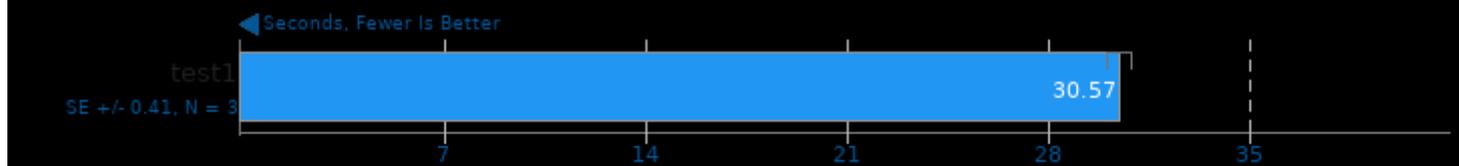
## Timed GCC Compilation 8.2

Time To Compile



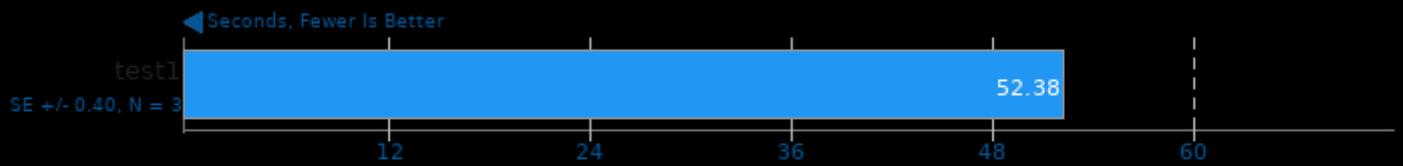
## Timed ImageMagick Compilation 6.9.0

Time To Compile



## Timed PHP Compilation 7.1.9

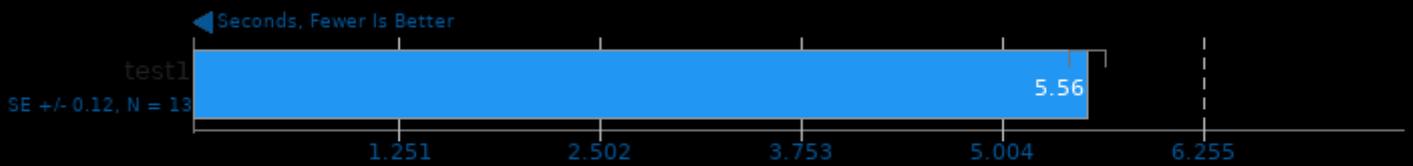
Time To Compile



1. (CC) gcc options: -O2 -pedantic -ldl -lz -lm

## Parallel BZIP2 Compression 1.1.12

256MB File Compression



1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

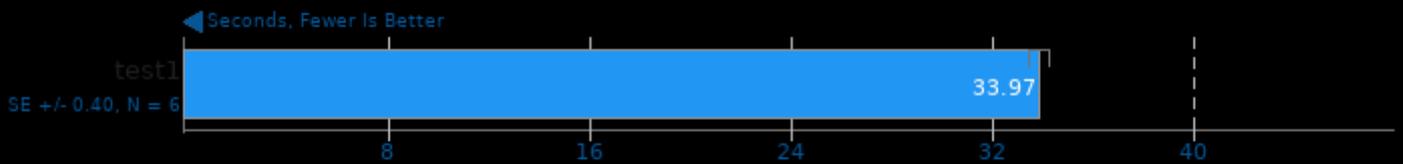
## Gzip Compression

Linux Source Tree Archiving To .tar.gz



## XZ Compression 5.2.4

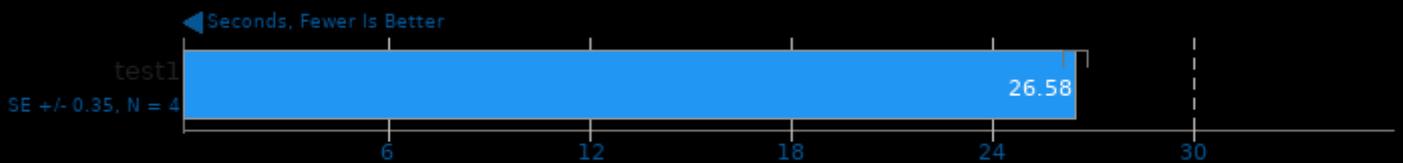
Compressing ubuntu-16.04.3-server-i386.img, Compression Level 9



1. (CC) gcc options: -std=gnu99 -pthread -fvisibility=hidden -O2 -lrt

## Zstd Compression 1.3.4

Compressing ubuntu-16.04.3-server-i386.img, Compression Level 19



1. (CC) gcc options: -O3 -pthread -lz

### dcraw

RAW To PPM Image Conversion



1. (CC) gcc options: -lm

### FLAC Audio Encoding 1.3.2

WAV To FLAC



1. (CXX) g++ options: -O2 -fvisibility=hidden -lm

### LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -Incurses -lm

### eSpeak Speech Engine 1.48.04

Text-To-Speech Synthesis



1. (CXX) g++ options: -lstdc++ -lespeak -O2 -fpic -fvisibility=hidden -pedantic -fno-exceptions

### FFmpeg 4.0.2

H.264 HD To NTSC DV



1, (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lm -lxcb -lxcb-shm -lxcb-shape -lxcb-xfixes -pthread -lbz2 -lrt

### GnuPG 1.4.22

2GB File Encryption



1, (CC) gcc options: -O2 -MT -MD -MP -MF

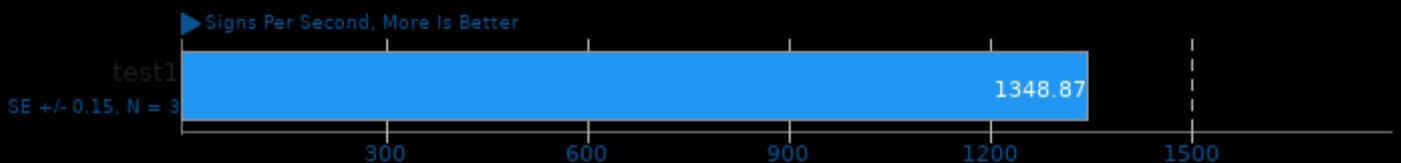
### Sudoku 0.4

Total Time



### OpenSSL 1.1.1

RSA 4096-bit Performance



1, (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

### PostgreSQL pgbench 12.0

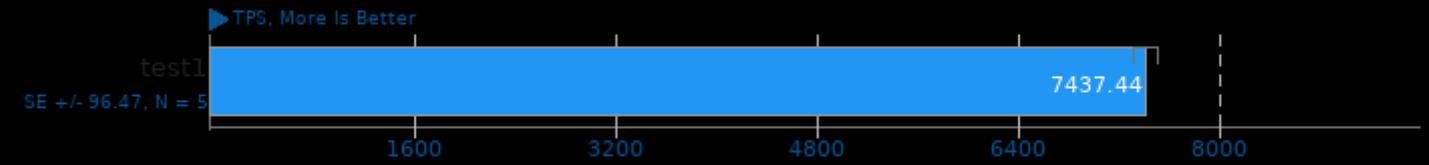
Scaling: Buffer Test - Test: Normal Load - Mode: Read Only



1, (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

### PostgreSQL pgbench 12.0

Scaling: Buffer Test - Test: Normal Load - Mode: Read Write



1. (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

### PostgreSQL pgbench 12.0

Scaling: Buffer Test - Test: Single Thread - Mode: Read Only



1. (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

### PostgreSQL pgbench 12.0

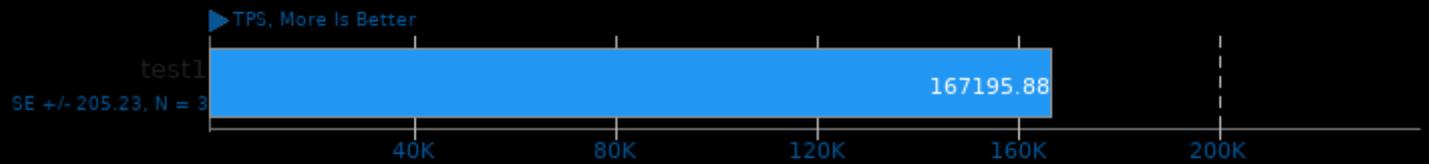
Scaling: Buffer Test - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

### PostgreSQL pgbench 12.0

Scaling: Buffer Test - Test: Heavy Contention - Mode: Read Only



1. (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

### PostgreSQL pgbench 12.0

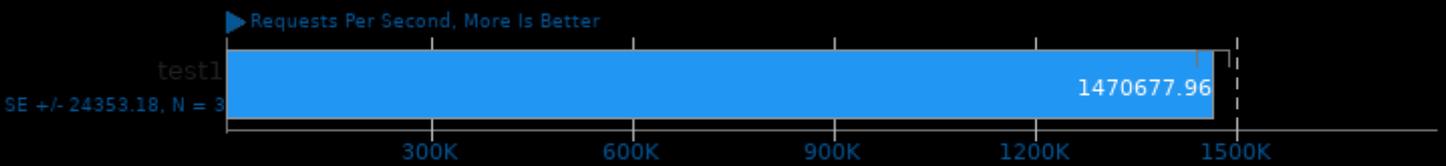
Scaling: Buffer Test - Test: Heavy Contention - Mode: Read Write



1. (CC) gcc options: -std=gnu99 -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lrt -lcrypt -ldl -lm

## Redis 5.0.5

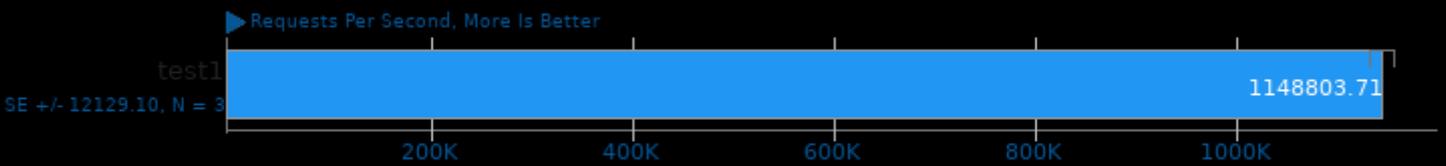
Test: LPOP



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread -lrt

## Redis 5.0.5

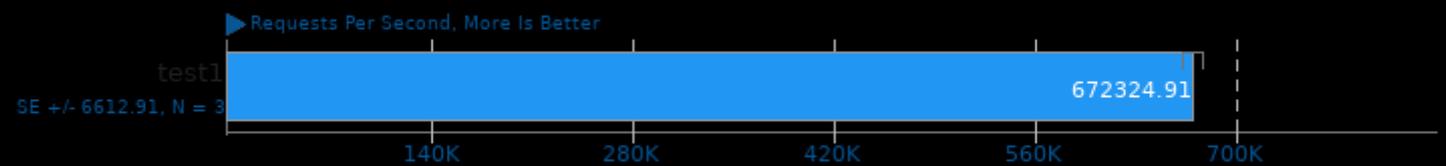
Test: SADD



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread -lrt

## Redis 5.0.5

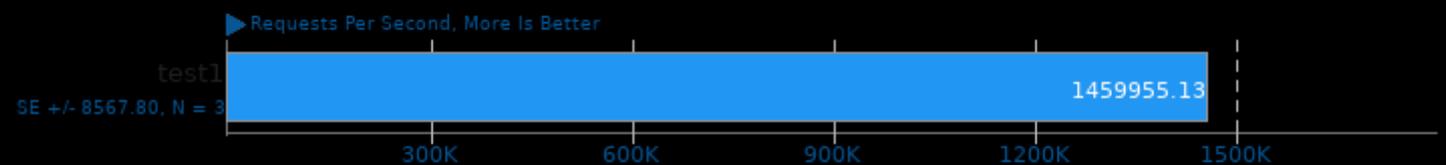
Test: LPU SH



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread -lrt

## Redis 5.0.5

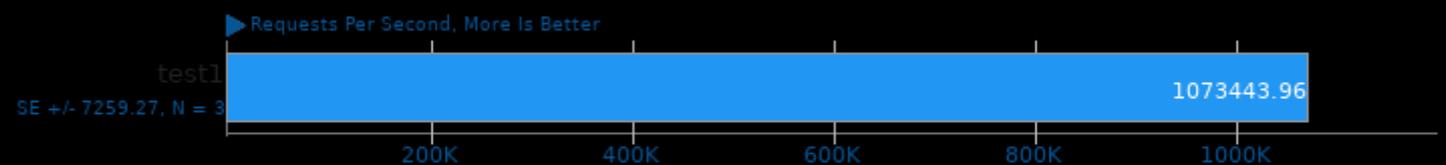
Test: GET



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread -lrt

## Redis 5.0.5

Test: SET



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread -lrt

## NGINX Benchmark 1.9.9

Static Web Page Serving



1. (CC) gcc options: -pthread -lcrypt -lcrypto -lz -O3 -march=native

## Apache Benchmark 2.4.29

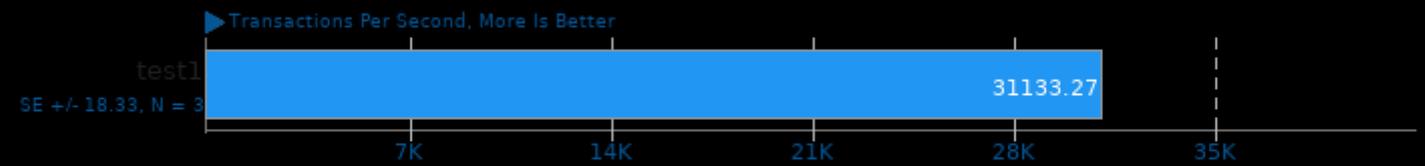
Static Web Page Serving



1. (CC) gcc options: -shared -fPIC -O2 -pthread

## Apache Siege 2.4.29

Concurrent Users: 250



1. (CC) gcc options: -O2 -pthread -ldl -lssl -lcrypto

## PHPBench 0.8.1

PHP Benchmark Suite



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 03:57.