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server-mem-20210421

2 x Intel Xeon Gold 5218R testing with a Supermicro X11DPX-T (3.2.V2 BIOS) and ASPEED on Ubuntu 16.04 via the Phoronix Test Suite.

Test Systems:

server-mem-20210421

Processor: 2 x Intel Xeon Gold 5218R @ 4.00GHz (40 Cores / 80 Threads), Motherboard: Supermicro X11DPX-T (3.2.V2 BIOS), Chipset: Intel Device 2020, Memory: 126GB, Disk: 480GB INTEL SSDSC2KB48, Graphics: ASPEED, Network: 2 x Intel 10G X550T

OS: Ubuntu 16.04, Kernel: 4.15.0-140-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.19.6, Vulkan: 1.0.61, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale-gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new

--with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x5003003

Java Notes: OpenJDK Runtime Environment (build 1.8.0_282-8u282-b08-0ubuntu1-16.04-b08)

Python Notes: Python 2.7.12 + Python 3.5.2

Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 Enhanced IBRS IBPB: conditional RSB filling + srbs: Not affected + tsx_async_abort: Mitigation of TSX disabled

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RAMspeed SMP - Add - Integer (MB/s)	15683
Standard Deviation	0.6%
RAMspeed SMP - Copy - Integer (MB/s)	14231
Standard Deviation	1.3%
RAMspeed SMP - Scale - Integer (MB/s)	15973
Standard Deviation	1.1%
RAMspeed SMP - Average - Integer (MB/s)	15507
Standard Deviation	0.5%
RAMspeed SMP - Add - Floating Point (MB/s)	16094
Standard Deviation	2%
RAMspeed SMP - Copy - Floating Point (MB/s)	14113
Standard Deviation	0.1%
RAMspeed SMP - Scale - Floating Point (MB/s)	14841
Standard Deviation	0.7%
RAMspeed SMP - Average - Floating Point (MB/s)	14959
Standard Deviation	0.7%
Stream - Copy (MB/s)	31130
Standard Deviation	1%
Stream - Scale (MB/s)	43501
Standard Deviation	1.9%
Stream - Triad (MB/s)	48714
Standard Deviation	1.3%
Stream - Add (MB/s)	48734
Standard Deviation	1.6%
MBW - Memory Copy - 4096 MiB (MiB/s)	2871
Standard Deviation	1.9%
MBW - M.C.F.B.S - 4096 MiB (MiB/s)	3048
Standard Deviation	1.7%
NAS Parallel Benchmarks - L.U.C (Mop/s)	48306
Standard Deviation	0.7%
Parboil - OpenMP LBM (sec)	76.134991
Standard Deviation	2.1%
Parboil - OpenMP Stencil (sec)	9.095085
Standard Deviation	0.7%
Parboil - O.M.G (sec)	425.661282
Standard Deviation	6.1%
CloverLeaf - L.E.H (sec)	117.58
Standard Deviation	7%
Rodinia - OpenMP LavaMD (sec)	222.617
Standard Deviation	0.7%
Rodinia - OpenMP CFD Solver (sec)	19.322
Standard Deviation	1.1%

Rodinia - O.S (sec)	30.849
Standard Deviation	8.4%
NAMD - ATPase Simulation - 327,506 Atoms (days/ns)	0.91337
Standard Deviation	11.4%
Timed MrBayes Analysis - P.P.A (sec)	419.691
Standard Deviation	0.3%
DaCapo Benchmark - H2 (msec)	13513
Standard Deviation	5.1%
DaCapo Benchmark - Jython (msec)	4760
Standard Deviation	1.7%
DaCapo Benchmark - Tradesoap (msec)	8615
Standard Deviation	0.5%
DaCapo Benchmark - Tradebeans (msec)	14967
Standard Deviation	1.8%
Renaissance - Scala Dotty (ms)	1460
Standard Deviation	11.6%
Renaissance - Rand Forest (ms)	2526
Standard Deviation	5.6%
Renaissance - Apache Spark ALS (ms)	2871
Standard Deviation	5.6%
Renaissance - Apache Spark Bayes (ms)	1014
Standard Deviation	6.6%
Renaissance - Savina Reactors.IO (ms)	22860
Standard Deviation	6.7%
Renaissance - A.S.P (ms)	4877
Standard Deviation	5.6%
Renaissance - T.H.R (ms)	3384
Standard Deviation	2.1%
Renaissance - I.M.D.S (ms)	10595
Standard Deviation	1.4%
Renaissance - A.U.C.T (ms)	18160
Standard Deviation	2%
Renaissance - G.A.U.J.F (ms)	7043
Standard Deviation	4.1%
Zstd Compression - 3 - Compression Speed (MB/s)	2048
Standard Deviation	1.8%
Zstd Compression - 3 - D.S (MB/s)	2349
Zstd Compression - 8 - Compression Speed (MB/s)	722.6
Standard Deviation	1.6%
Zstd Compression - 8 - D.S (MB/s)	2240
Standard Deviation	2.6%
Zstd Compression - 19 - Compression Speed (MB/s)	57.5
Standard Deviation	6.3%
Zstd Compression - 19 - D.S (MB/s)	1828
Standard Deviation	4.1%
Zstd Compression - 3, Long Mode - Compression Speed (MB/s)	280.3
Standard Deviation	1.2%
Zstd Compression - 3, Long Mode - D.S (MB/s)	2416
Standard Deviation	2.9%
Zstd Compression - 8, Long Mode - Compression Speed (MB/s)	307.1
Standard Deviation	4.6%
Zstd Compression - 8, Long Mode - D.S (MB/s)	2333
Standard Deviation	3.8%

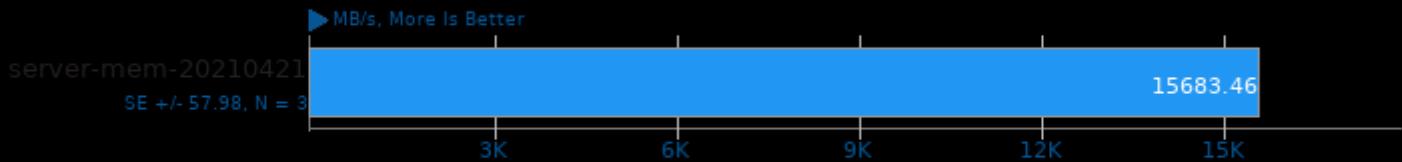
Zstd Compression - 19, Long Mode - Compression Speed (MB/s)	32.1
Standard Deviation	2.4%
Zstd Compression - 19, Long Mode - D.S (MB/s)	1999
Standard Deviation	3.8%
John The Ripper - Blowfish (Real C/S)	39472
Standard Deviation	4.7%
GraphicsMagick - Rotate (Iterations/min)	590
Standard Deviation	2.4%
GraphicsMagick - Sharpen (Iterations/min)	313
Standard Deviation	0.8%
GraphicsMagick - Enhanced (Iterations/min)	504
Standard Deviation	1.8%
GraphicsMagick - Resizing (Iterations/min)	1033
Standard Deviation	2.5%
oneDNN MKL-DNN - D.B.d - f32 (ms)	3.43298
Standard Deviation	0.7%
OSPray - XFrog Forest - SciVis (FPS)	7.73
Standard Deviation	0.4%
OSPray - M.R - SciVis (FPS)	42.27
Standard Deviation	2.5%
Embree - Pathtracer - Crown (FPS)	32.9245
Standard Deviation	0.8%
rav1e - 9 (FPS)	1.467
Standard Deviation	4.4%
VP9 libvpx Encoding - Speed 5 (FPS)	19.05
Standard Deviation	2.2%
x265 - Bosphorus 4K (FPS)	5.23
Standard Deviation	1.2%
x265 - Bosphorus 1080p (FPS)	10.32
Standard Deviation	0.6%
ACES DGEMM - S.F.P.R (GFLOP/s)	10.214289
Standard Deviation	2.2%
Intel Open Image Denoise - Memorial (Images / Sec)	19.45
Standard Deviation	1.6%
Himeno Benchmark - P.P.S (MFLOPS)	3217
Standard Deviation	0.4%
7-Zip Compression - C.S.T (MIPS)	118133
Standard Deviation	6.2%
asmFish - 1.H.M.2.D (Nodes/s)	80476935
Standard Deviation	1.7%
Timed GCC Compilation - Time To Compile (sec)	1104
Standard Deviation	0.2%
Timed Linux Kernel Compilation - Time To Compile (sec)	35.064
Standard Deviation	3.2%
Timed PHP Compilation - Time To Compile (sec)	36.777
Standard Deviation	2%
Build2 - Time To Compile (sec)	78.529
Standard Deviation	0.9%
Tungsten Renderer - Water Caustic (sec)	29.2273
Standard Deviation	0.3%
XZ Compression - C.u.1.0.3.s.i.i.C.L.9 (sec)	26.953
Standard Deviation	2.9%
DeepSpeech - CPU (sec)	153.14600

Radiance Benchmark - SMP Parallel (sec)	283.699	Standard Deviation 8.6%
OpenSSL - R.4.b.P (Signs/sec)	8476	Standard Deviation 0.7%
libjpeg-turbo tjbench - D.T (Megapixels/sec)	168.116187	Standard Deviation 0.2%
MariaDB - 128 (Queries/sec)	246	Standard Deviation 0.1%
SQLite Speedtest - Timed Time - Size 1,000 (sec)	68.597	Standard Deviation 1.4%
GEGL - Crop (sec)	42.089	Standard Deviation 0.6%
GEGL - Cartoon (sec)	40.968	Standard Deviation 2.1%
GEGL - Reflect (sec)	41.747	Standard Deviation 1.8%
GEGL - Antialias (sec)	40.601	Standard Deviation 1.8%
GEGL - Color Enhance (sec)	40.762	Standard Deviation 2.7%
GEGL - Rotate 90 Degrees (sec)	40.581	Standard Deviation 2.5%
GIMP - rotate (sec)	30.210	Standard Deviation 2.1%
GIMP - auto-levels (sec)	29.862	Standard Deviation 0.7%
GIMP - unsharp-mask (sec)	58.438	Standard Deviation 1%
Redis - GET (Req/s)	1707938	Standard Deviation 10.1%
Redis - SET (Req/s)	1437892	Standard Deviation 7.7%
Sysbench - Memory (MiB/sec)	11956	Standard Deviation 2.1%
Sysbench - CPU (Events/sec)	65335	Standard Deviation 1.1%
Apache Cassandra - Writes (Op/s)	155013	Standard Deviation 19%
Blender - Classroom - CPU-Only (sec)	179.84	Standard Deviation 1.1%
Blender - Barbershop - CPU-Only (sec)	241.61	Standard Deviation 0.2%
Memcached mcperf - Add (Operations/sec)	60646	Standard Deviation 3.6%
Memcached mcperf - Get (Operations/sec)	102394	Standard Deviation 0.4%
Memcached mcperf - Set (Operations/sec)	63543	Standard Deviation 1.6%
Memcached mcperf - Append (Operations/sec)	72726	Standard Deviation 1.9%
Memcached mcperf - Replace (Operations/sec)	71229	Standard Deviation 2.3%
PyBench - T.F.A.T.T (Milliseconds)	1525	

Standard Deviation 0.5%
NGINX Benchmark - S.W.P.S (Req/sec) 28688
Standard Deviation 11.8%
Apache Benchmark - S.W.P.S (Req/sec) 22979
Standard Deviation 1%
Apache Siege - 50 (Transactions/sec) 14012
PHPBench - P.B.S (Score) 445959
Standard Deviation 1.4%
BRL-CAD - V.P.M (VGR Performance Metric) 263002

RAMspeed SMP 3.5.0

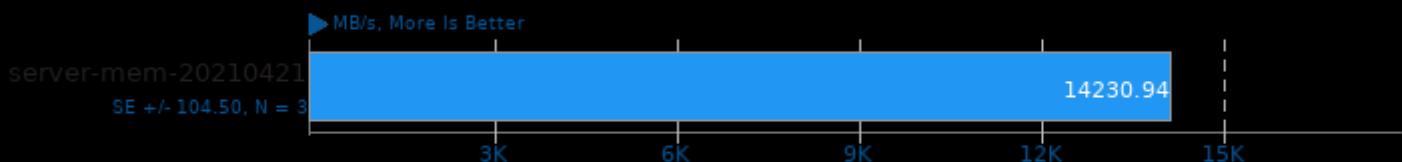
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

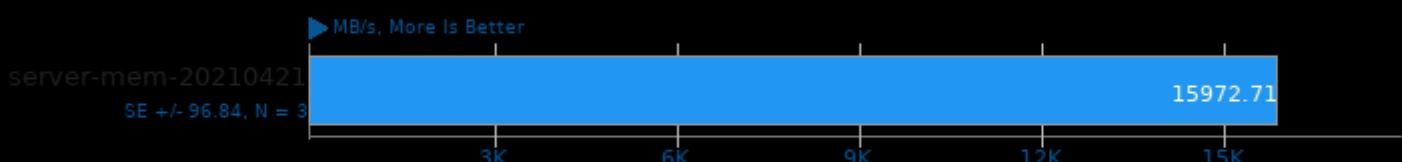
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

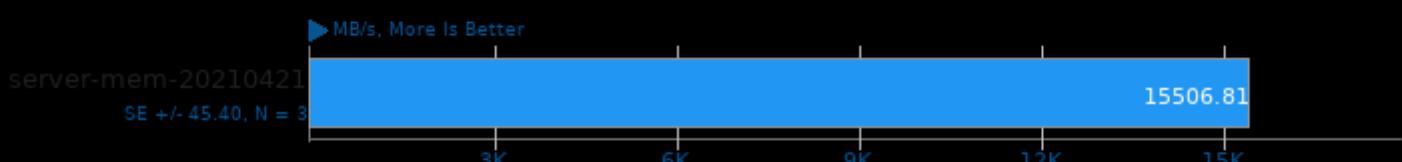
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

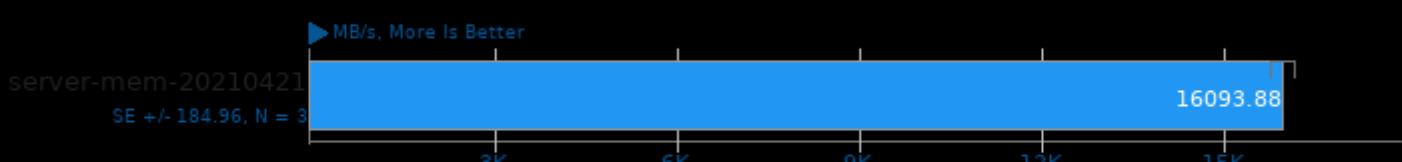
Type: Average - Benchmark: Integer



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

RAMspeed SMP 3.5.0

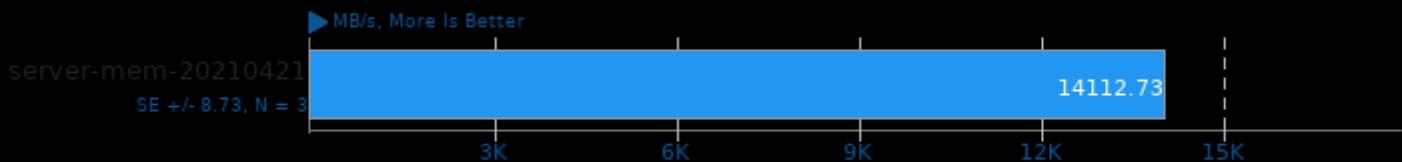
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

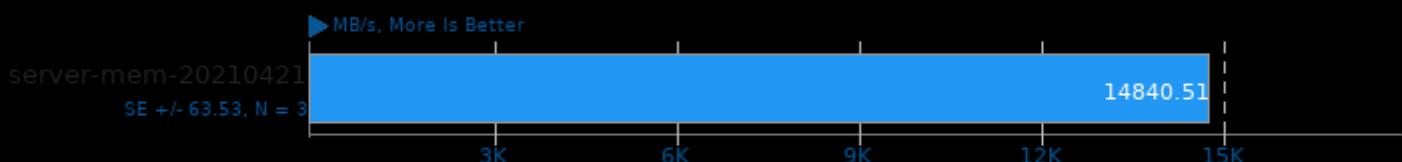
Type: Copy - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

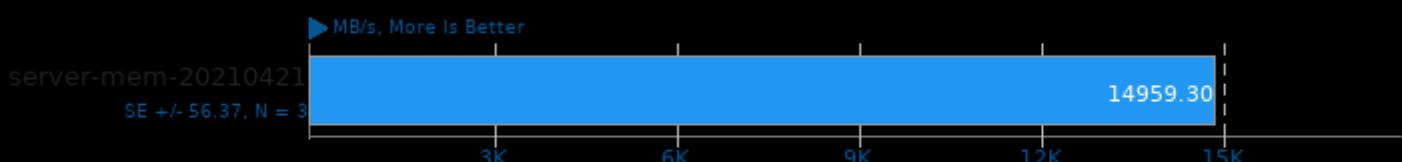
Type: Scale - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

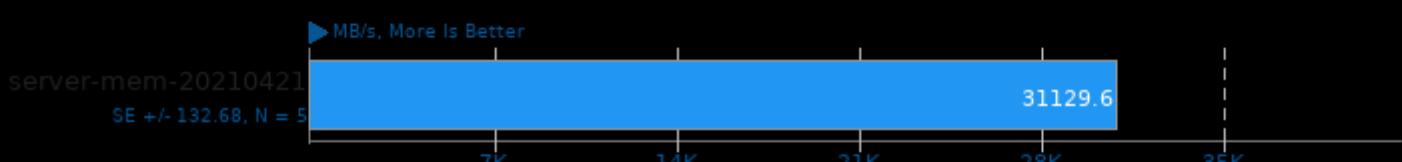
Type: Average - Benchmark: Floating Point



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

Stream 2013-01-17

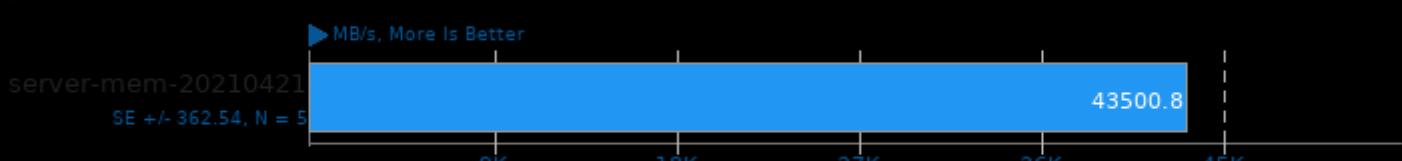
Type: Copy



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

Stream 2013-01-17

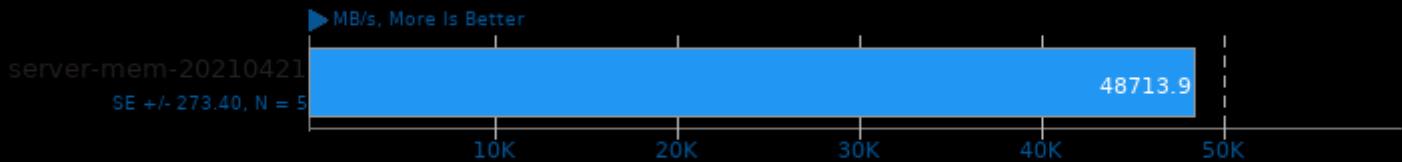
Type: Scale



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

Stream 2013-01-17

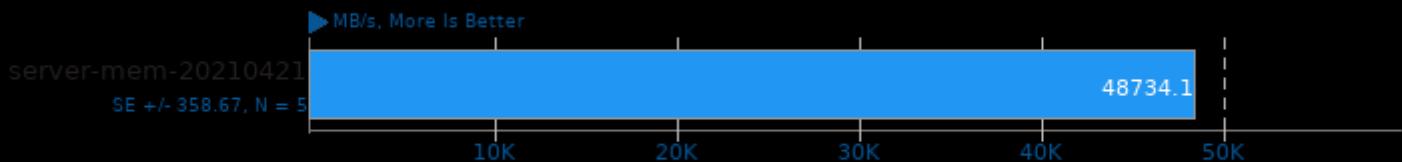
Type: Triad



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

Stream 2013-01-17

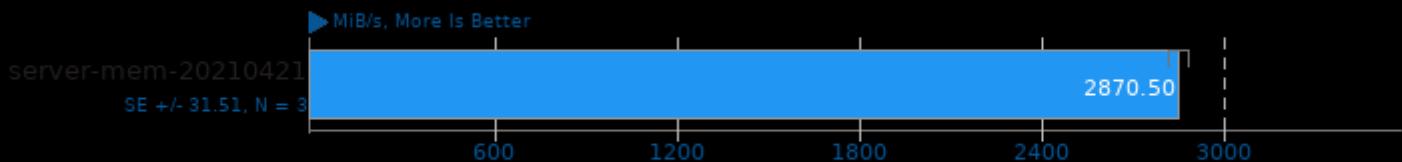
Type: Add



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

MBW 2018-09-08

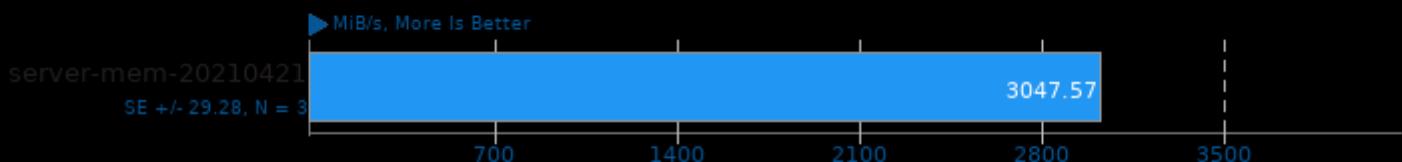
Test: Memory Copy - Array Size: 4096 MiB



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

MBW 2018-09-08

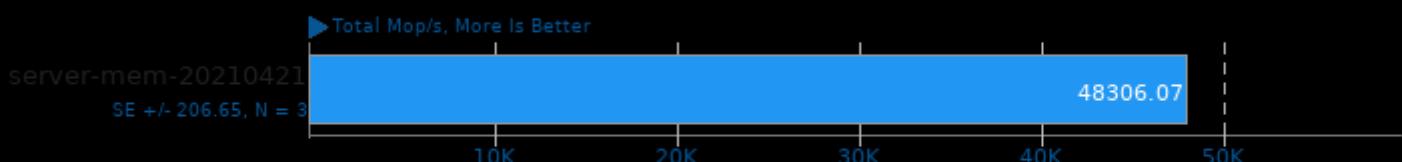
Test: Memory Copy, Fixed Block Size - Array Size: 4096 MiB



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

NAS Parallel Benchmarks 3.4

Test / Class: LU.C

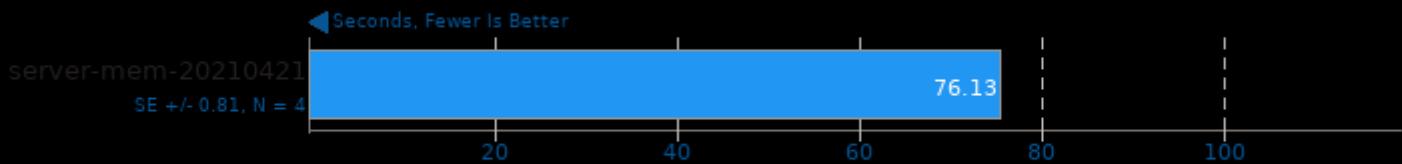


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 1.10.2

Parboil 2.5

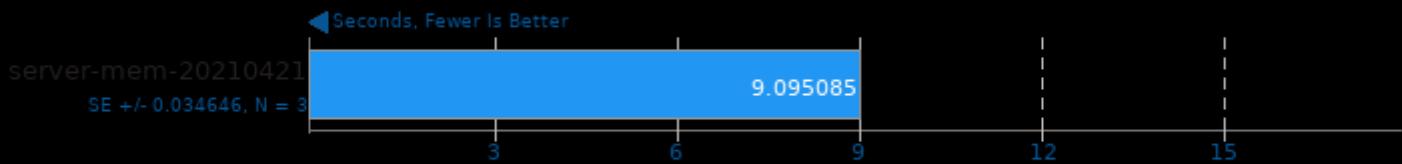
Test: OpenMP LBM



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

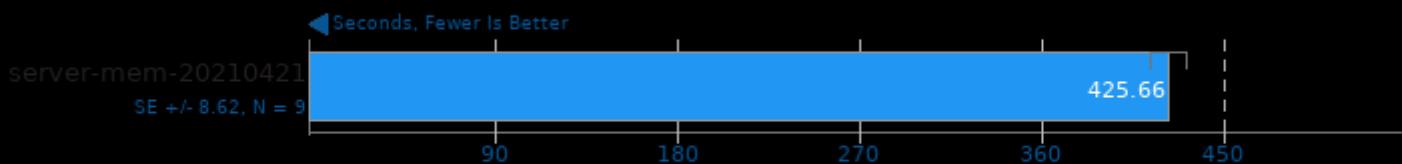
Test: OpenMP Stencil



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

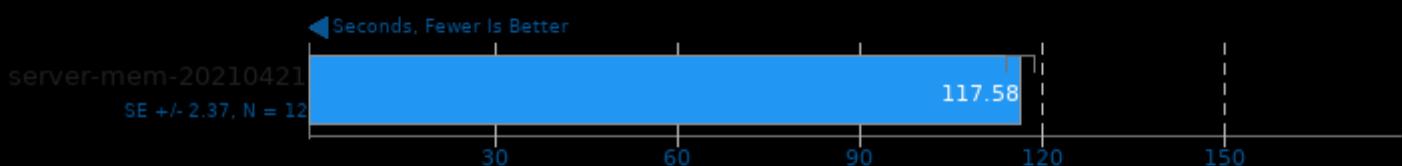
Test: OpenMP MRI Gridding



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

CloverLeaf

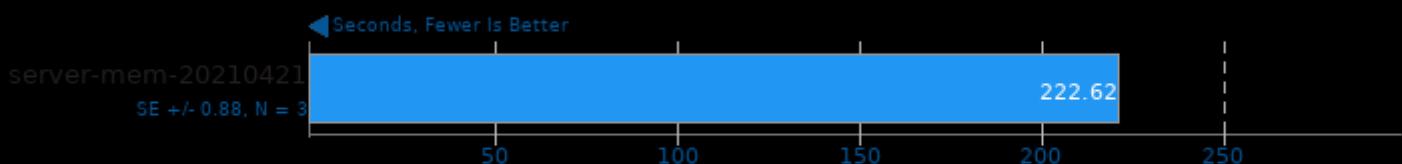
Lagrangian-Eulerian Hydrodynamics



1. (F9X) gfortran options: -O3 -march=native -funroll-loops -fopenmp

Rodinia 3.1

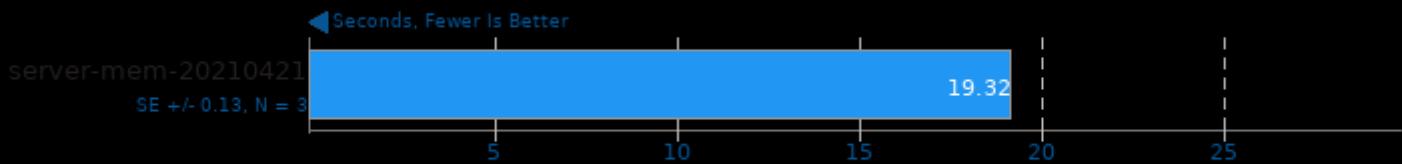
Test: OpenMP LavaMD



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

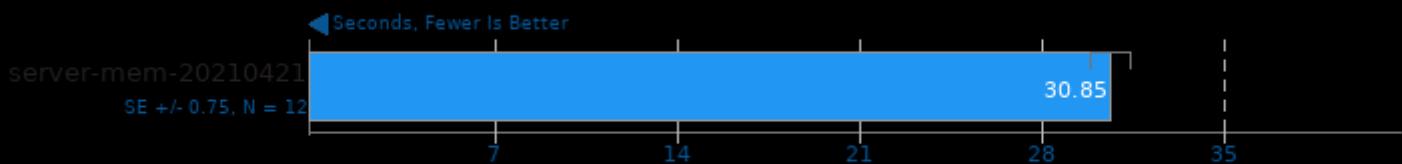
Test: OpenMP CFD Solver



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

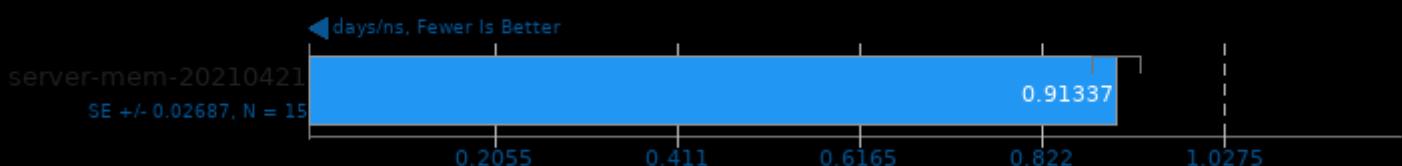
Test: OpenMP Streamcluster



1. (CXX) g++ options: -O2 -fOpenCL

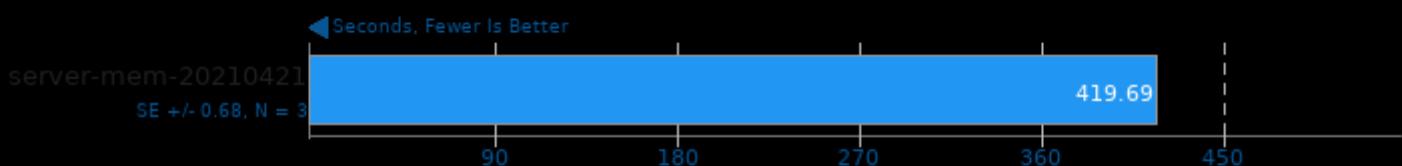
NAMD 2.14

ATPase Simulation - 327,506 Atoms



Timed MrBayes Analysis 3.2.7

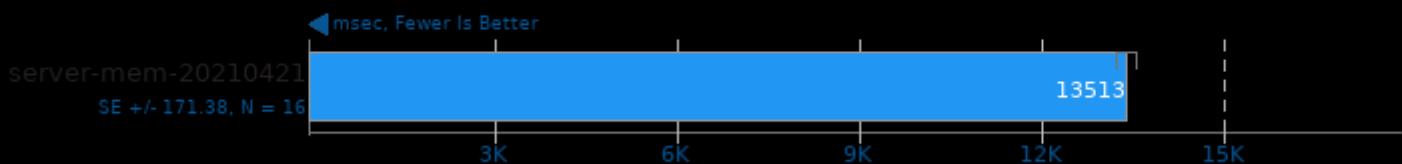
Primate Phylogeny Analysis



1. (CC) gcc options: -mavx -msse -msse2 -msse3 -msse3 -msse4.1 -msse4.2 -maes -mavx -mfma -mavx2 -mavx512f -mavx512cd -mavx512vl -mavx512v

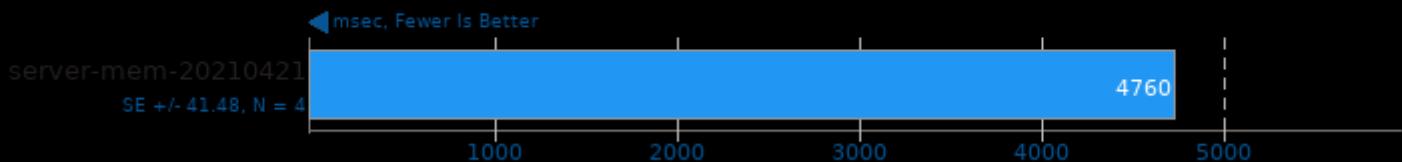
DaCapo Benchmark 9.12-MR1

Java Test: H2



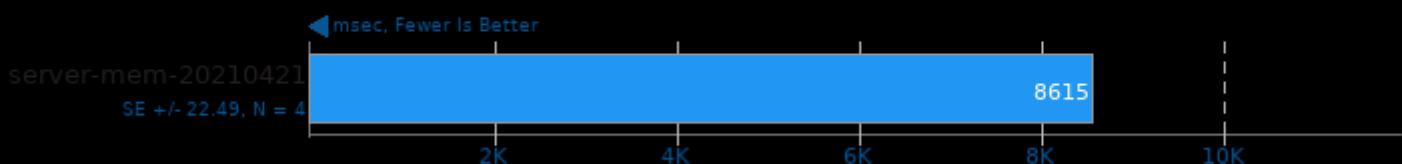
DaCapo Benchmark 9.12-MR1

Java Test: Jython



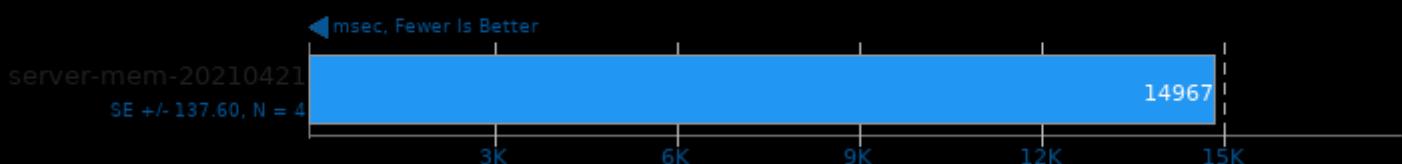
DaCapo Benchmark 9.12-MR1

Java Test: Tradesoap



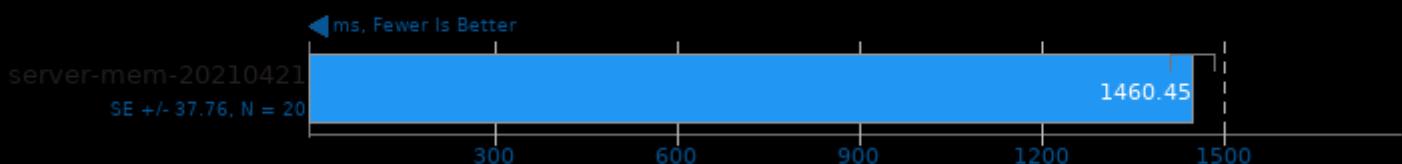
DaCapo Benchmark 9.12-MR1

Java Test: Tradebeans



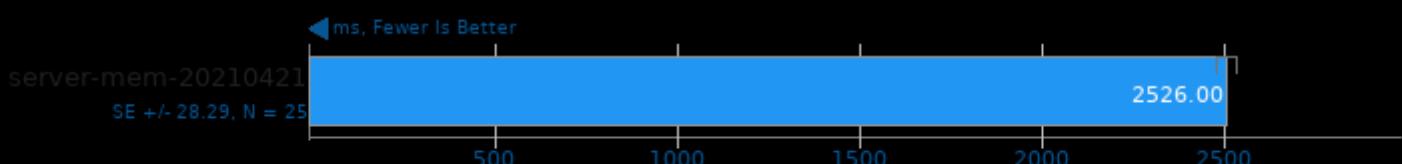
Renaissance 0.10.0

Test: Scala Dotty



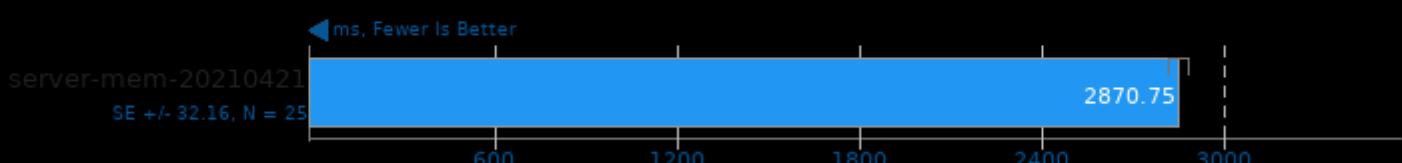
Renaissance 0.10.0

Test: Random Forest



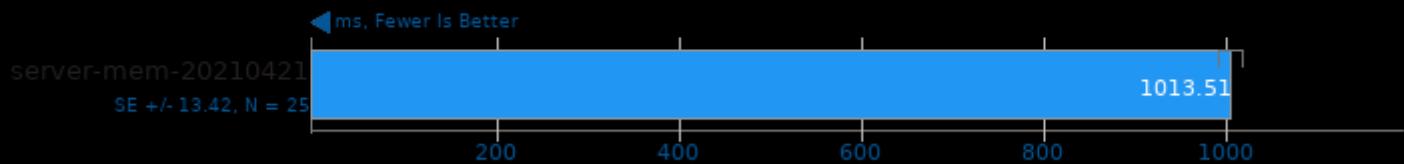
Renaissance 0.10.0

Test: Apache Spark ALS



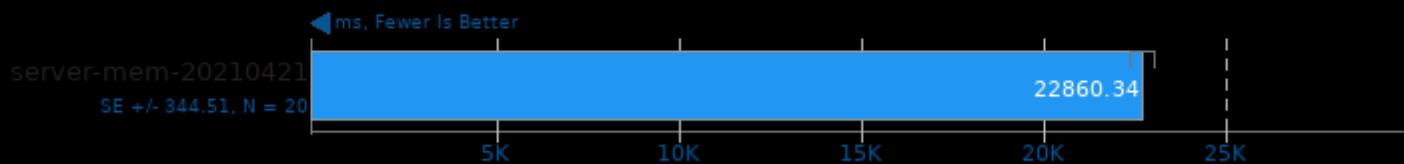
Renaissance 0.10.0

Test: Apache Spark Bayes



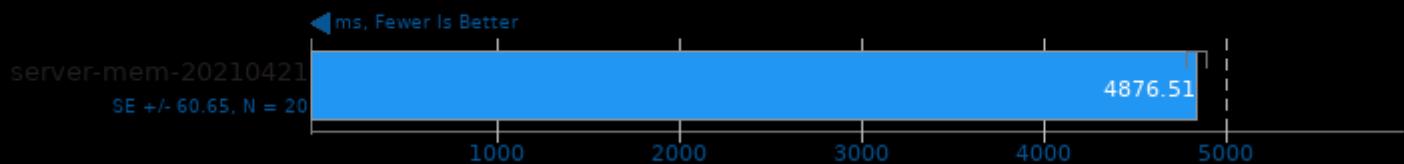
Renaissance 0.10.0

Test: Savina Reactors.IO



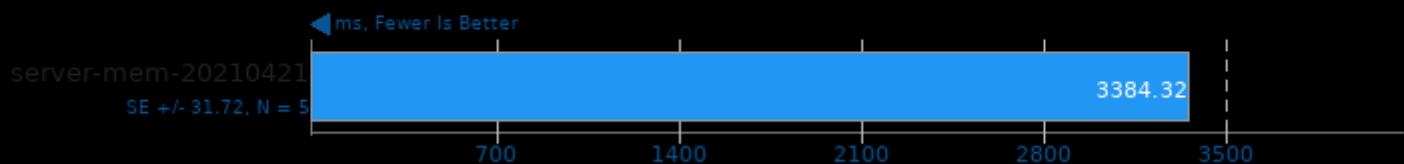
Renaissance 0.10.0

Test: Apache Spark PageRank



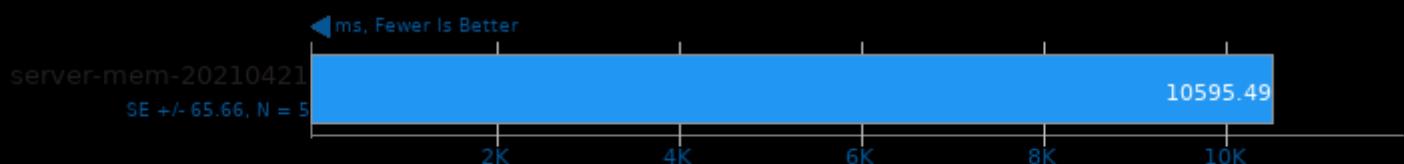
Renaissance 0.10.0

Test: Twitter HTTP Requests



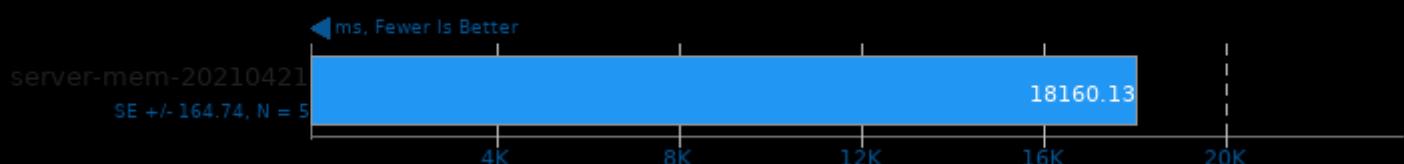
Renaissance 0.10.0

Test: In-Memory Database Shootout



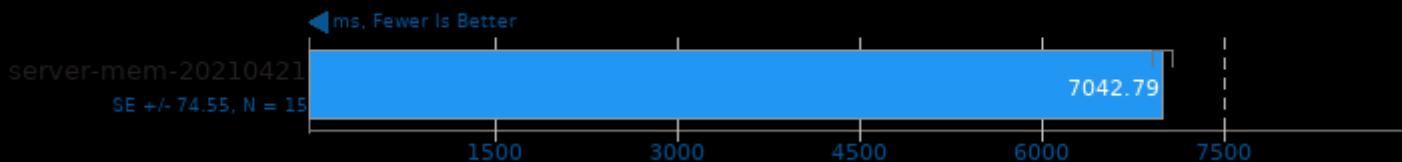
Renaissance 0.10.0

Test: Akka Unbalanced Cobwebbed Tree



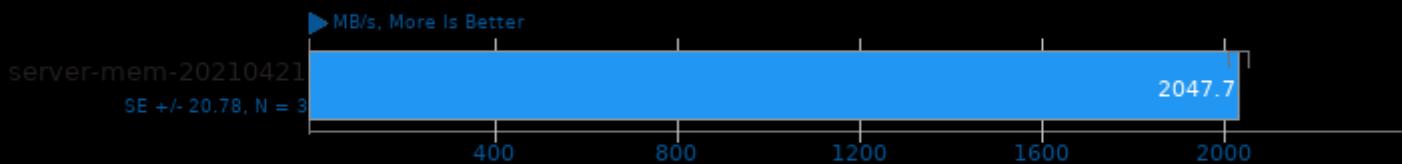
Renaissance 0.10.0

Test: Genetic Algorithm Using Jenetics + Futures



Zstd Compression 1.4.9

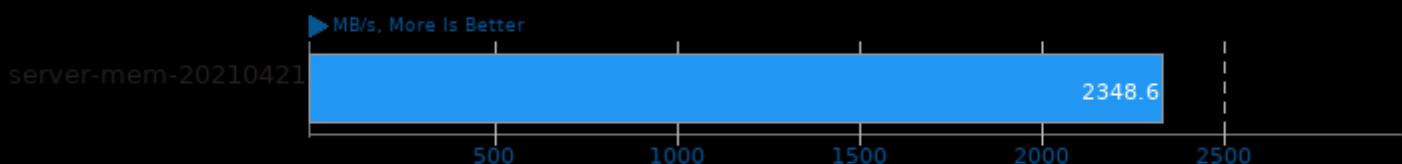
Compression Level: 3 - Compression Speed



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

Zstd Compression 1.4.9

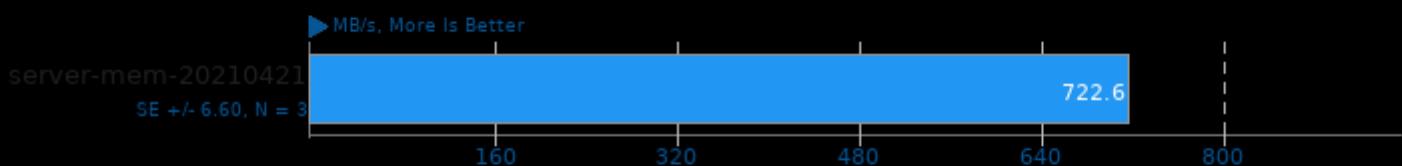
Compression Level: 3 - Decompression Speed



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

Zstd Compression 1.4.9

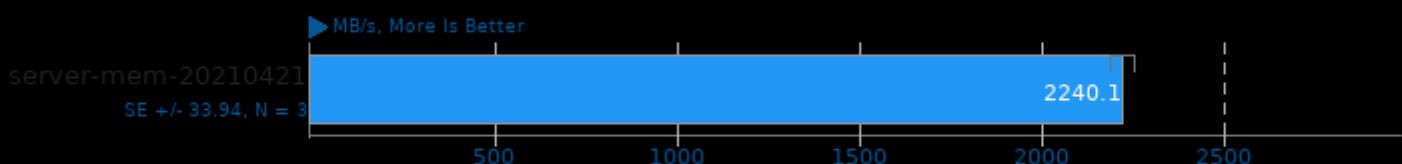
Compression Level: 8 - Compression Speed



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

Zstd Compression 1.4.9

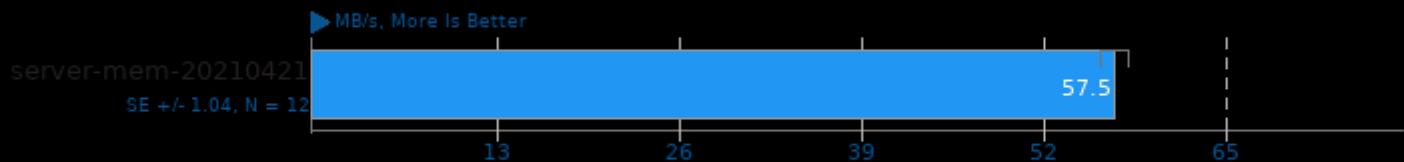
Compression Level: 8 - Decompression Speed



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

Zstd Compression 1.4.9

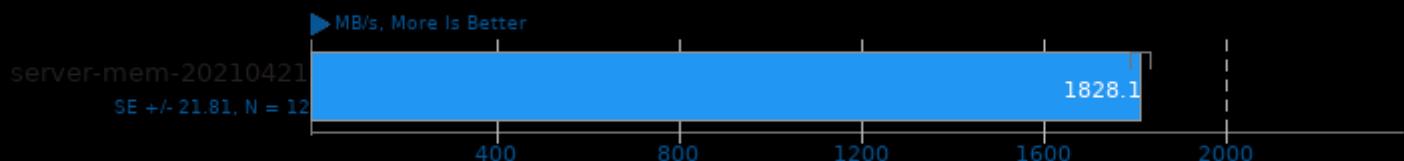
Compression Level: 19 - Compression Speed



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

Zstd Compression 1.4.9

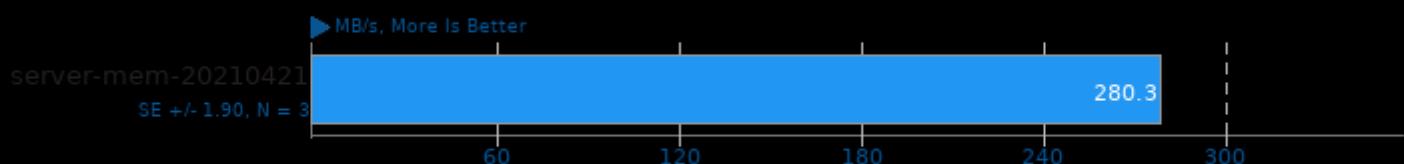
Compression Level: 19 - Decompression Speed



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

Zstd Compression 1.4.9

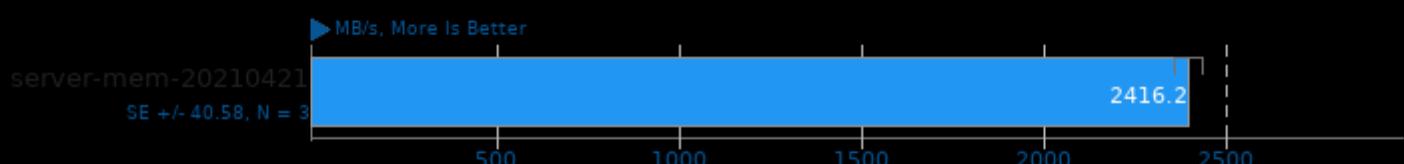
Compression Level: 3, Long Mode - Compression Speed



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

Zstd Compression 1.4.9

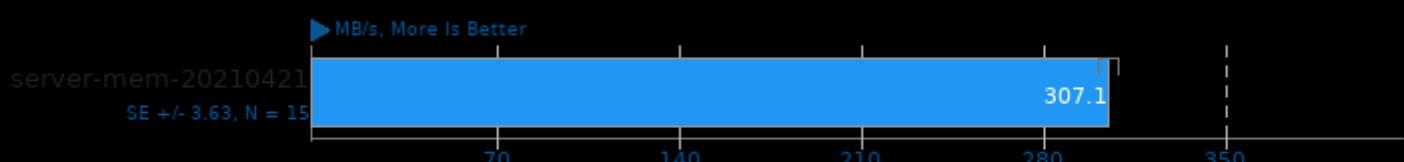
Compression Level: 3, Long Mode - Decompression Speed



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

Zstd Compression 1.4.9

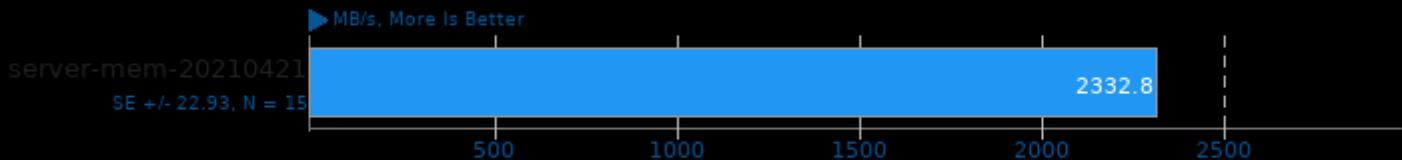
Compression Level: 8, Long Mode - Compression Speed



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

Zstd Compression 1.4.9

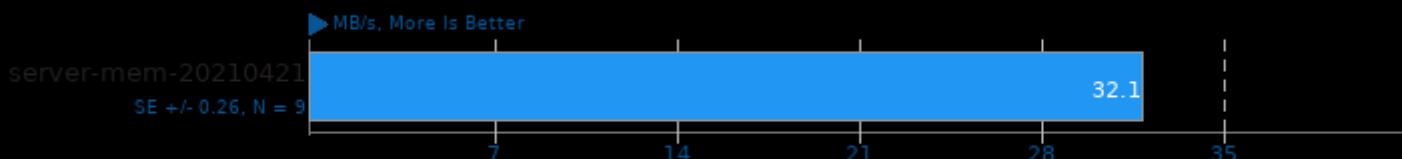
Compression Level: 8, Long Mode - Decompression Speed



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

Zstd Compression 1.4.9

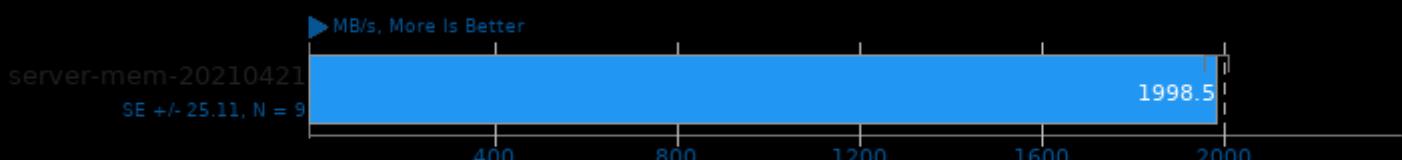
Compression Level: 19, Long Mode - Compression Speed



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

Zstd Compression 1.4.9

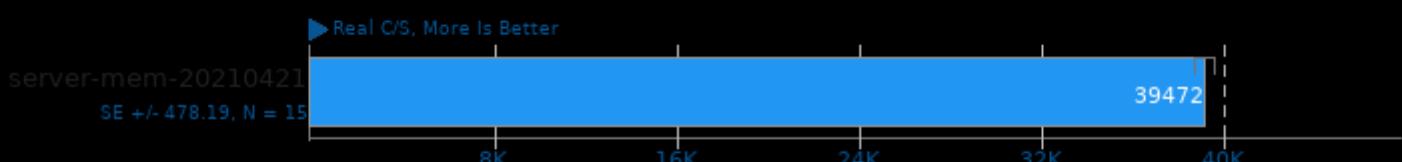
Compression Level: 19, Long Mode - Decompression Speed



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

John The Ripper 1.9.0-jumbo-1

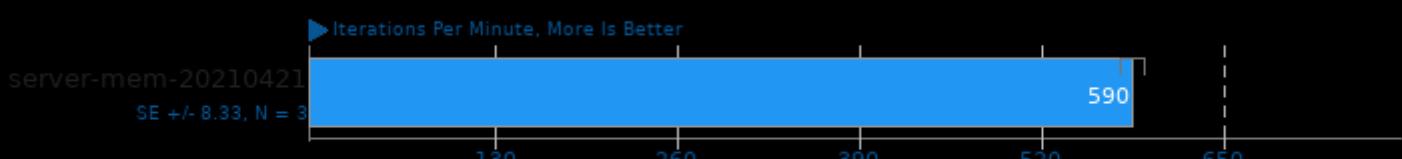
Test: Blowfish



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

GraphicsMagick 1.3.33

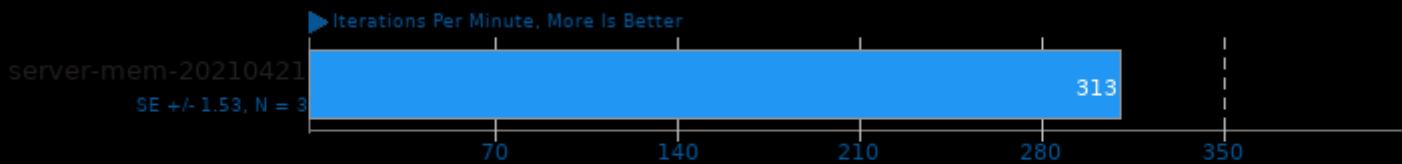
Operation: Rotate



1. (CC) gcc options: -fopenmp -O2 -pthread -ljpeg -ltiff -jasper -lxml2 -lxml -lm -lxml2 -lxml -lm -lpthread

GraphicsMagick 1.3.33

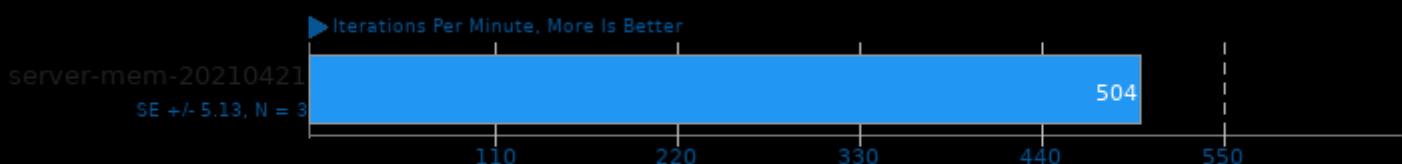
Operation: Sharpen



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -ltiff -jasper -jpeg -lXext -lSM -ICE -lX11 -lzma -lbz2 -lxml2 -lz -lm -pthread

GraphicsMagick 1.3.33

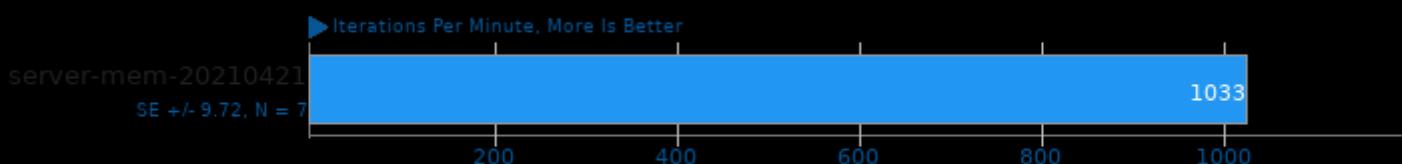
Operation: Enhanced



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -ltiff -jasper -jpeg -lXext -lSM -ICE -lX11 -lzma -lbz2 -lxml2 -lz -lm -pthread

GraphicsMagick 1.3.33

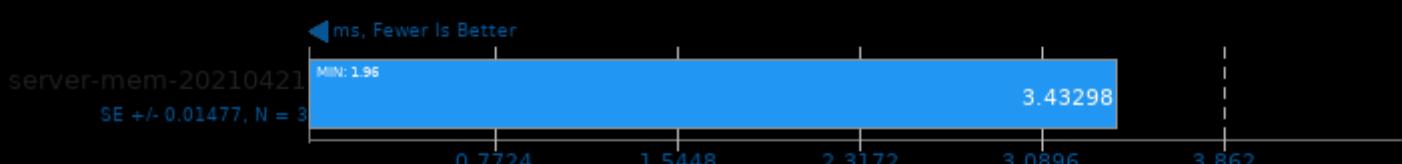
Operation: Resizing



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -ltiff -jasper -jpeg -lXext -lSM -ICE -lX11 -lzma -lbz2 -lxml2 -lz -lm -pthread

oneDNN MKL-DNN 1.3

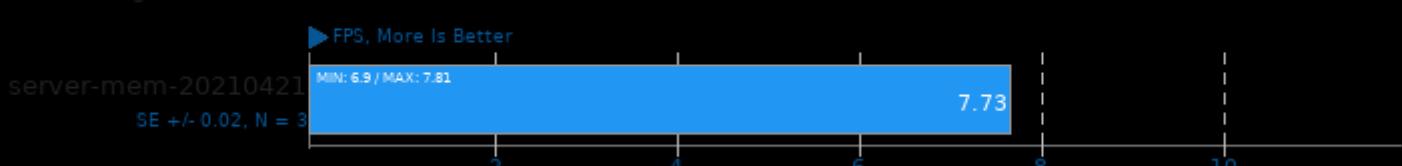
Harness: Deconvolution Batch deconv_1d - Data Type: f32



1. (CXX) g++ options: -O3 -march=native -std=c++11 -msse4.1 -fPIC -fopenmp -pie -pthread -ldl

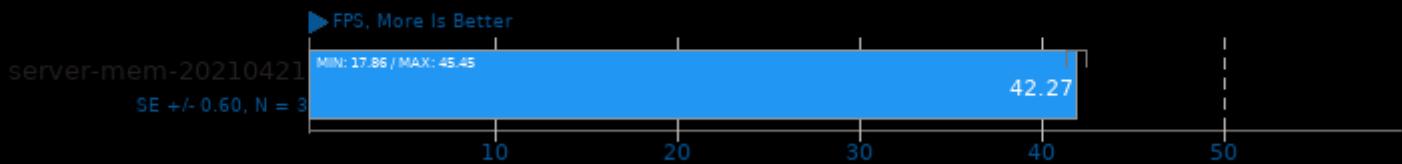
OSpray 1.8.5

Demo: XFrog Forest - Renderer: SciVis



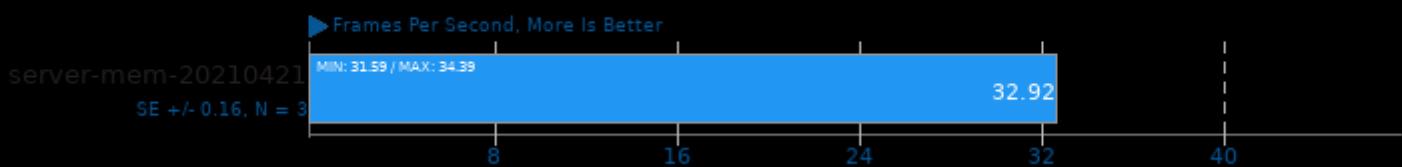
OSPray 1.8.5

Demo: Magnetic Reconnection - Renderer: SciVis



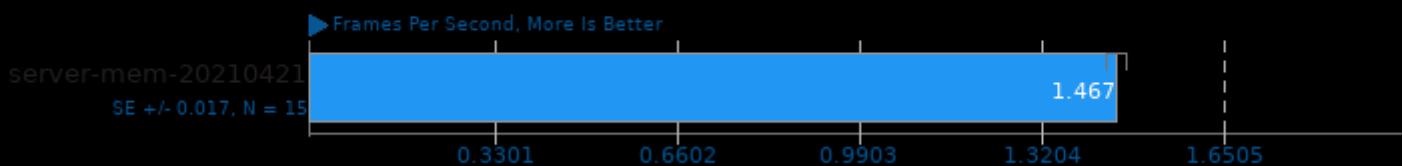
Embree 3.9.0

Binary: Pathtracer - Model: Crown



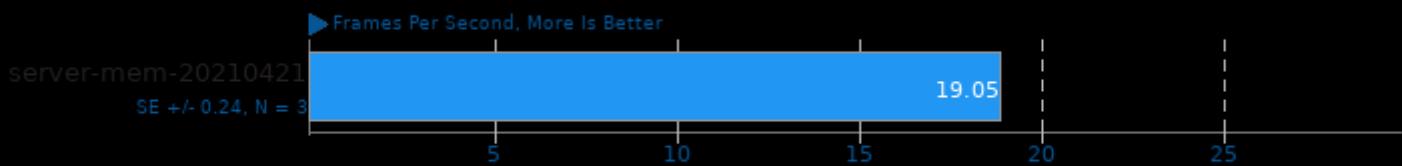
rav1e 0.4

Speed: 9



VP9 libvpx Encoding 1.8.2

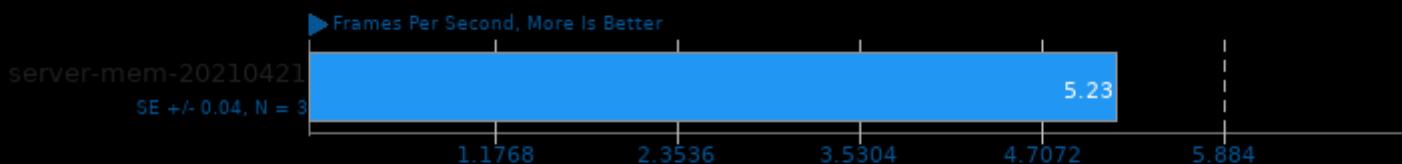
Speed: Speed 5



1. (CXX) g++ options: -m64 -lm -lpthread -O3 -fPIC -U_FORTIFY_SOURCE -std=c++11

x265 3.4

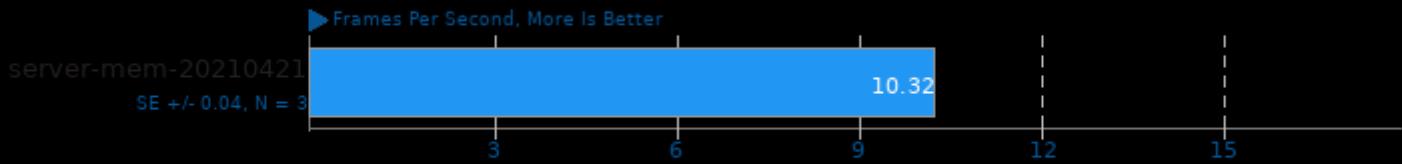
Video Input: Bosphorus 4K



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

x265 3.4

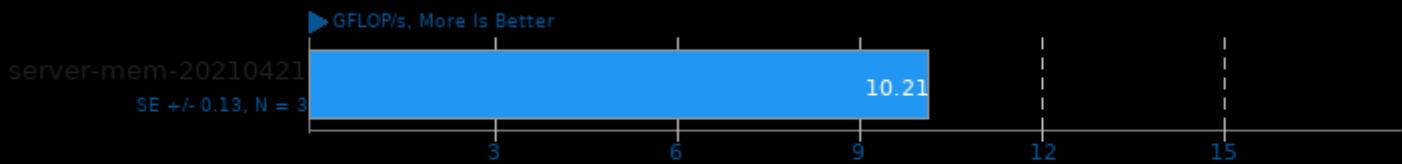
Video Input: Bosphorus 1080p



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

ACES DGEMM 1.0

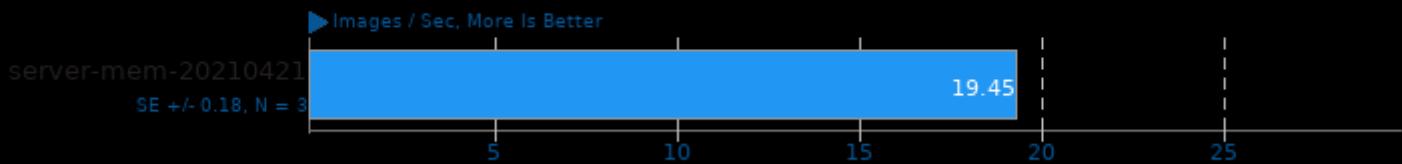
Sustained Floating-Point Rate



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

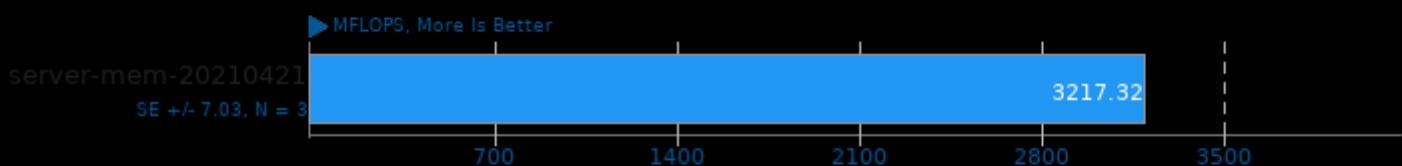
Intel Open Image Denoise 1.2.0

Scene: Memorial



Himeno Benchmark 3.0

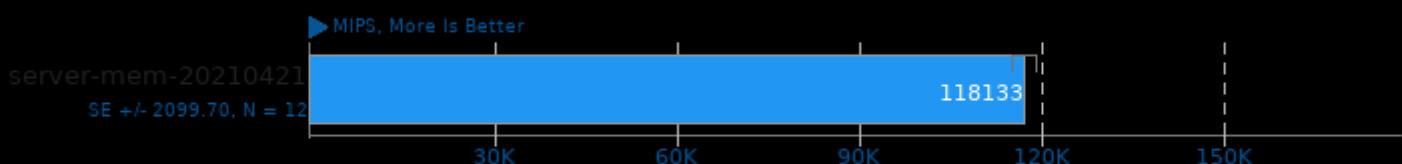
Poisson Pressure Solver



1. (CC) gcc options: -O3 -mavx2

7-Zip Compression 16.02

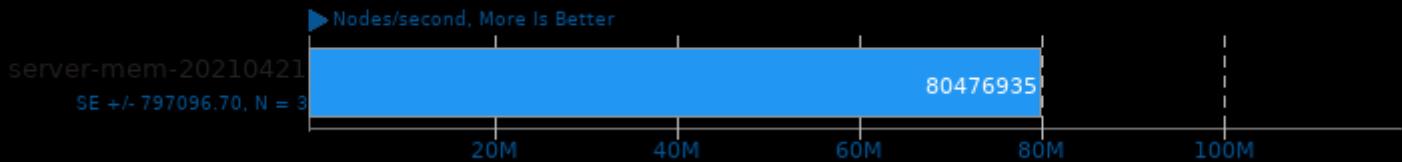
Compress Speed Test



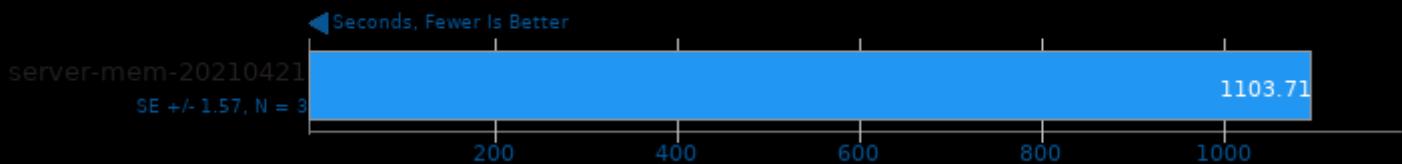
1. (CXX) g++ options: -pipe -lpthread

asmFish 2018-07-23

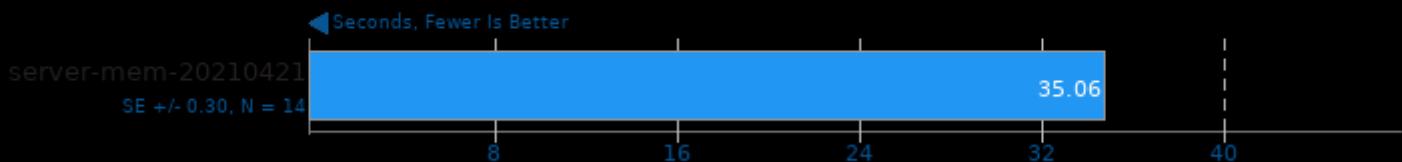
1024 Hash Memory, 26 Depth

**Timed GCC Compilation 9.3.0**

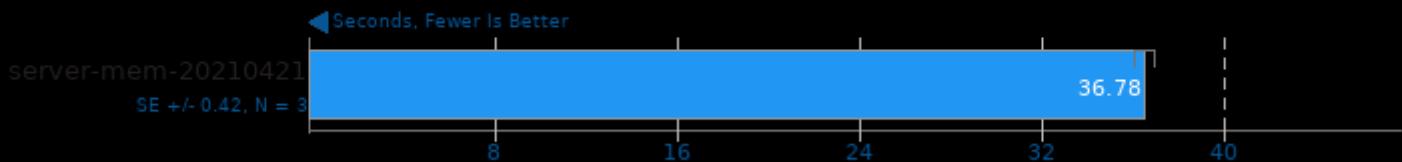
Time To Compile

**Timed Linux Kernel Compilation 5.10.20**

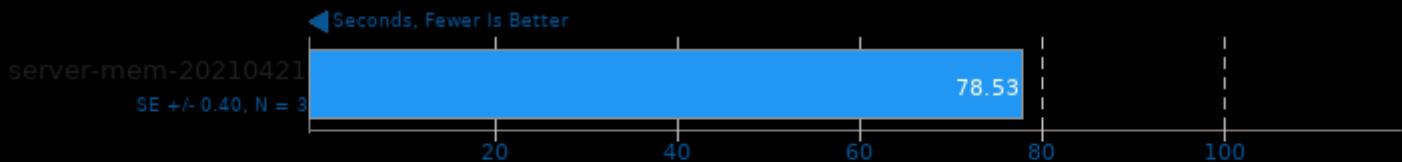
Time To Compile

**Timed PHP Compilation 7.4.2**

Time To Compile

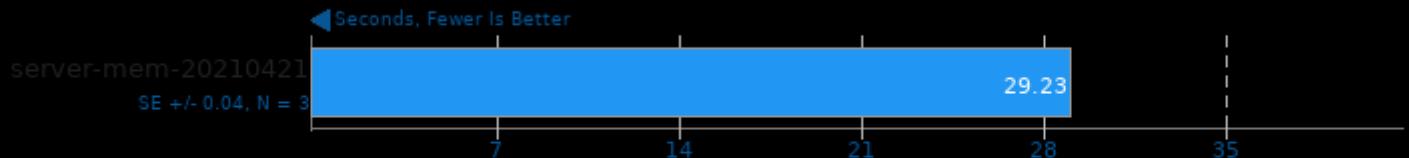
**Build2 0.13**

Time To Compile



Tungsten Renderer 0.2.2

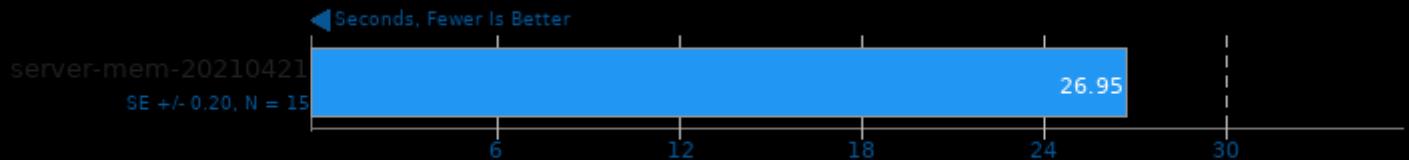
Scene: Water Caustic



1. (CXX) g++ options: -std=c++0x -march=broadwell -msse2 -msse3 -msse3 -msse4.1 -msse4.2 -mfma -mbmi2 -mavx512f -mavx512vl -mavx512cd -mavx512bw -mavx512dq -mavx512er -mavx512er -mavx512er -mavx512er -mavx512er -mavx512er -mavx512er -mavx512er

XZ Compression 5.2.4

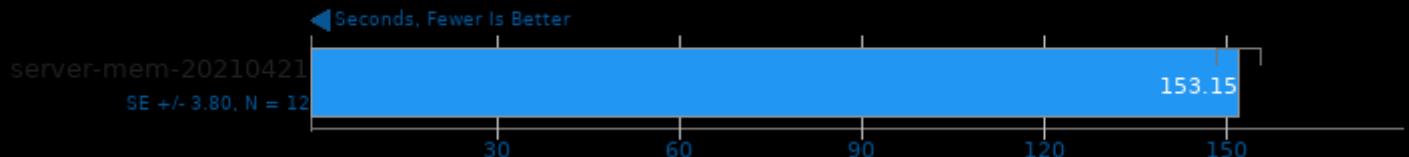
Compressing ubuntu-16.04.3-server-i386.img, Compression Level 9



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

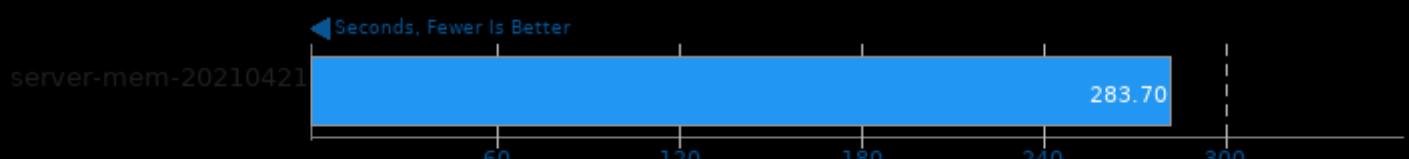
DeepSpeech 0.6

Acceleration: CPU



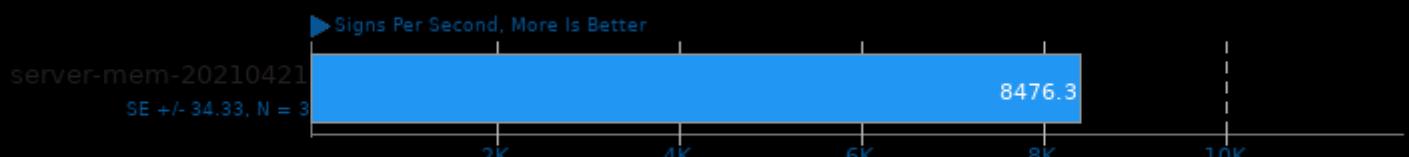
Radiance Benchmark 5.0

Test: SMP Parallel



OpenSSL 1.1.1

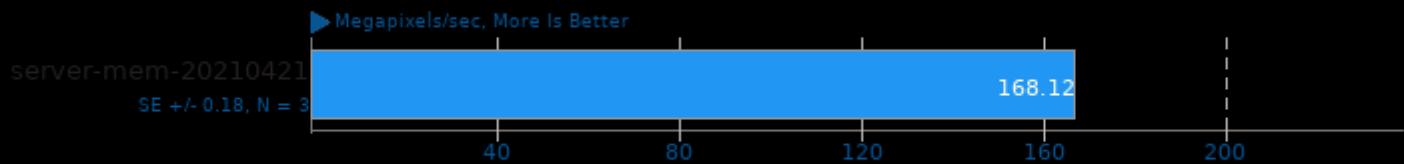
RSA 4096-bit Performance



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

libjpeg-turbo tjbench 2.0.2

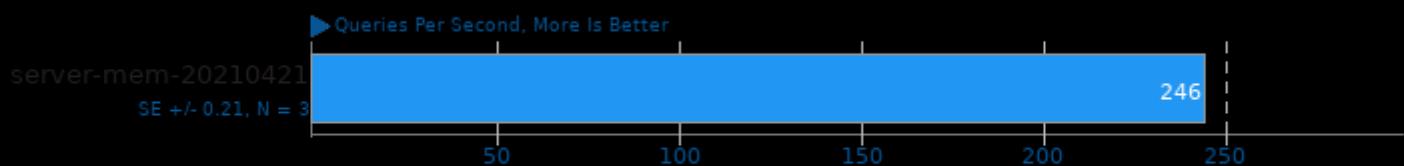
Test: Decompression Throughput



1. (CC) gcc options: -O3 -rdynamic

MariaDB 10.5.2

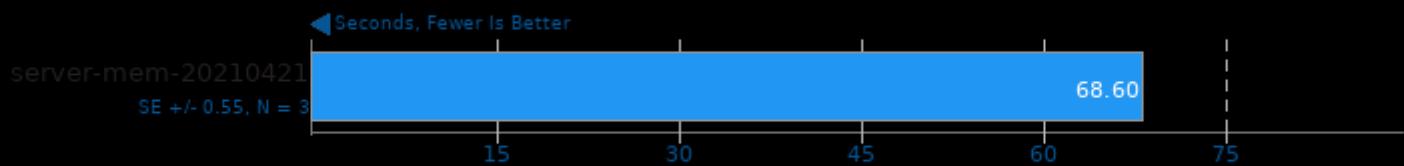
Clients: 128



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -lizma -lbz2 -lsnappy -laio -lnuma -lcrypt -lm -lz -lssl -lcrypto -ldl

SQLite Speedtest 3.30

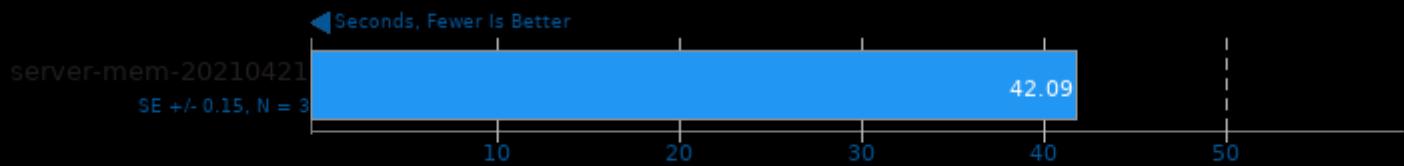
Timed Time - Size 1,000



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

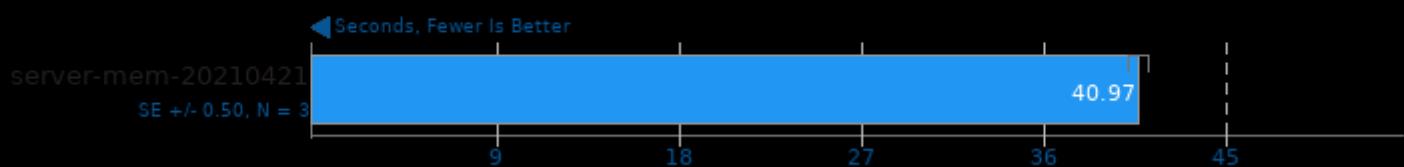
GEGL

Operation: Crop



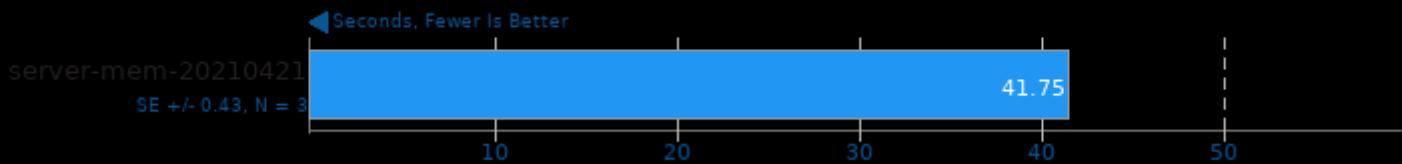
GEGL

Operation: Cartoon

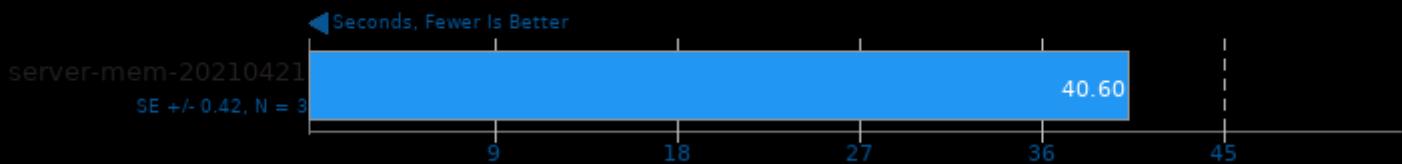


GEGL

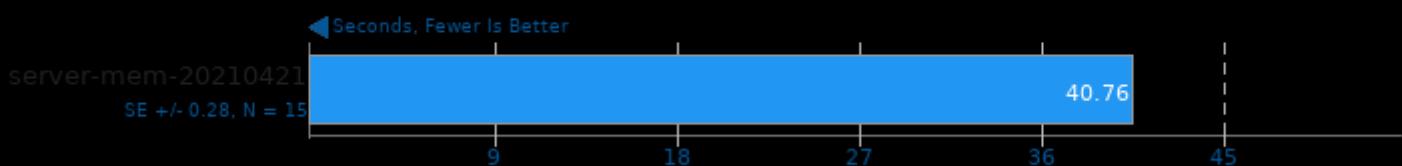
Operation: Reflect

**GEGL**

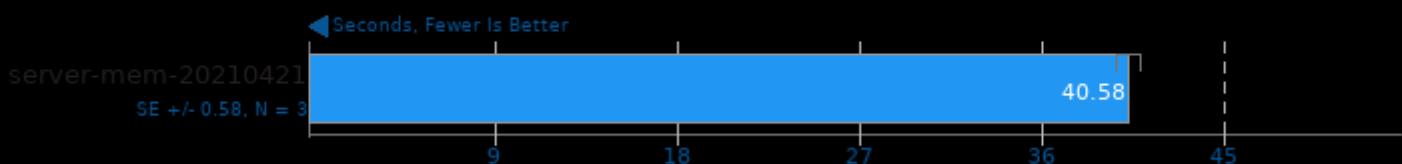
Operation: Antialias

**GEGL**

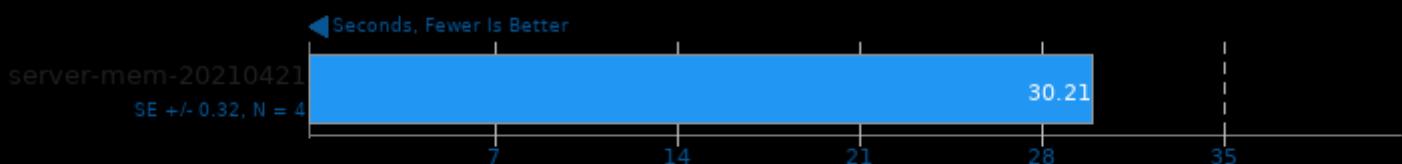
Operation: Color Enhance

**GEGL**

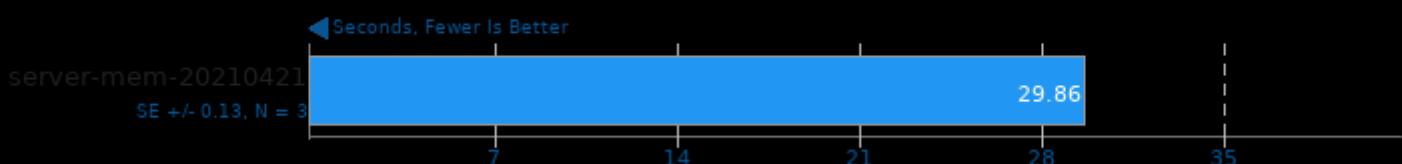
Operation: Rotate 90 Degrees

**GIMP 2.8.16**

Test: rotate

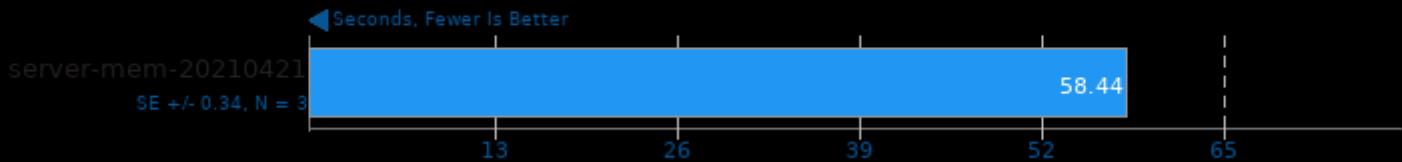
**GIMP 2.8.16**

Test: auto-levels



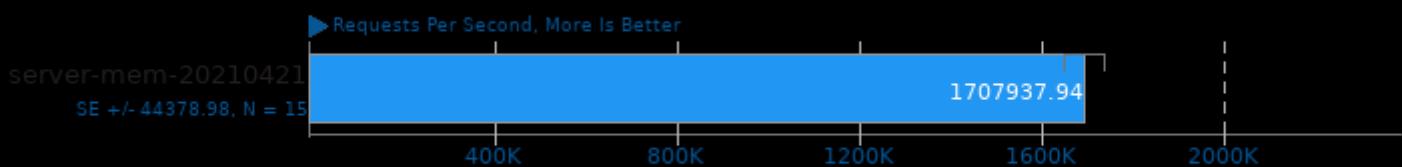
GIMP 2.8.16

Test: unsharp-mask



Redis 6.0.9

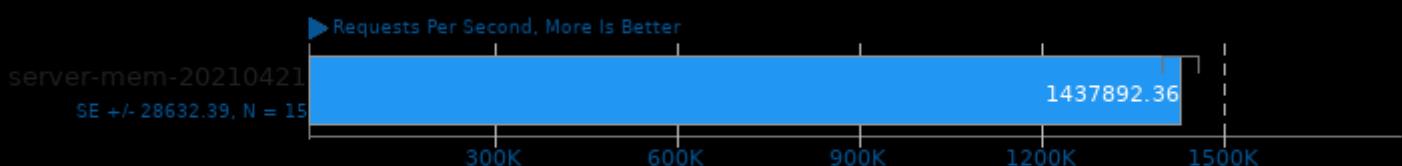
Test: GET



```
1. (CXX) g++ options: -std=c++14 -MM -MT -g3 -fvisibility=hidden -O3
```

Redis 6.0.9

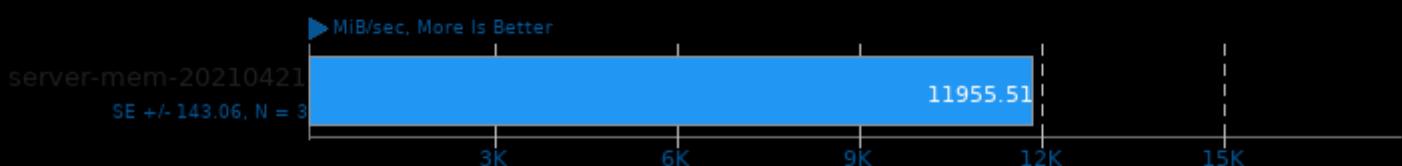
Test: SET



```
1. (CXX) g++ options: -std=c++14 -MM -MT -g3 -fvisibility=hidden -O3
```

Sysbench 1.0.20

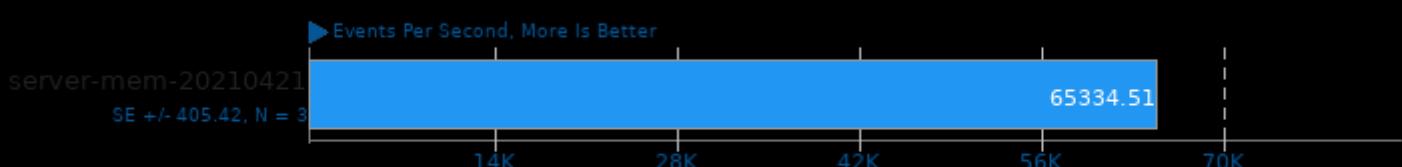
Test: Memory



```
1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm
```

Sysbench 1.0.20

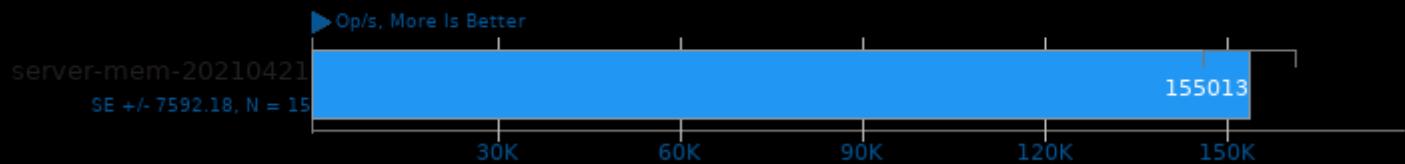
Test: CPU



```
1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm
```

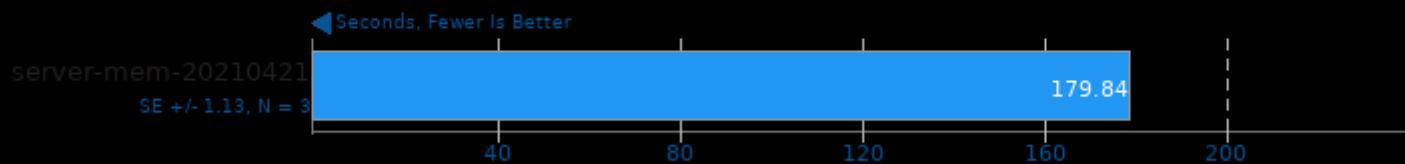
Apache Cassandra 3.11.4

Test: Writes



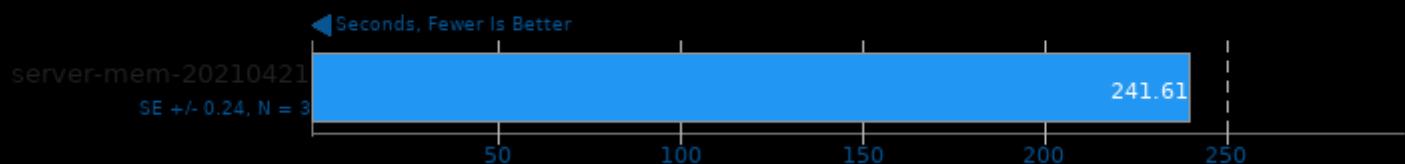
Blender 2.92

Blend File: Classroom - Compute: CPU-Only



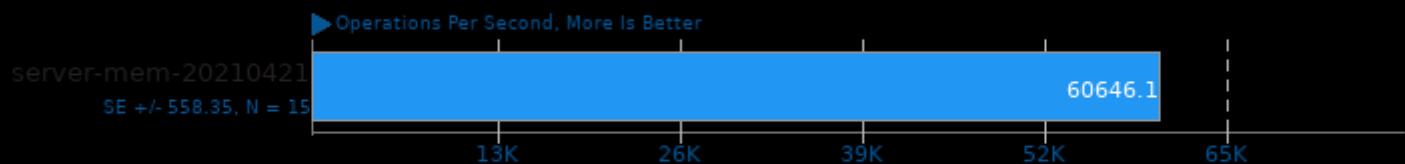
Blender 2.92

Blend File: Barbershop - Compute: CPU-Only



Memcached mcperf 1.6.9

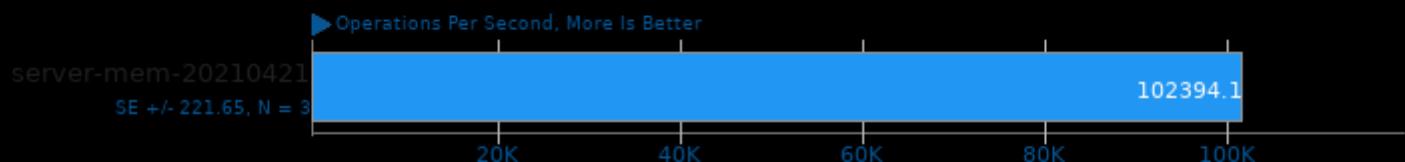
Method: Add



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

Memcached mcperf 1.6.9

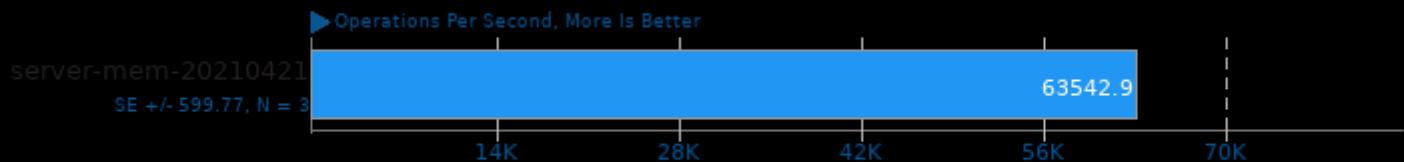
Method: Get



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

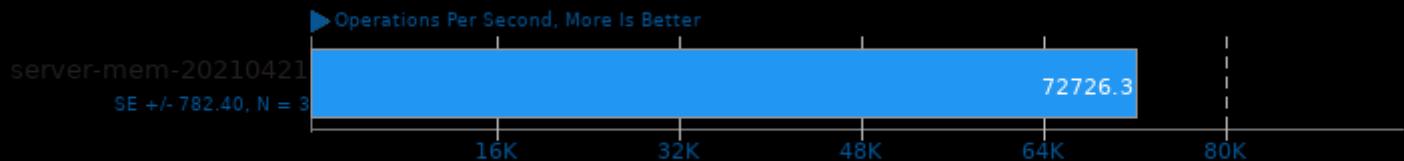
Memcached mcperf 1.6.9

Method: Set



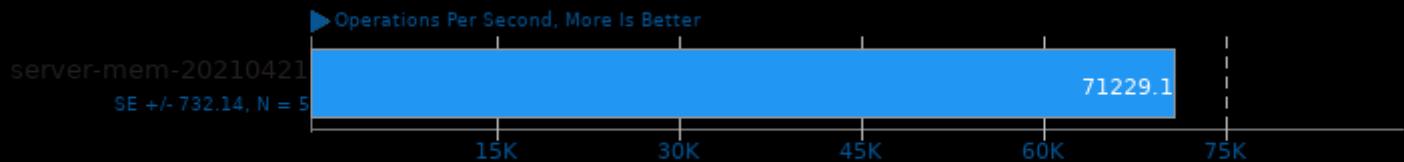
Memcached mcperf 1.6.9

Method: Append



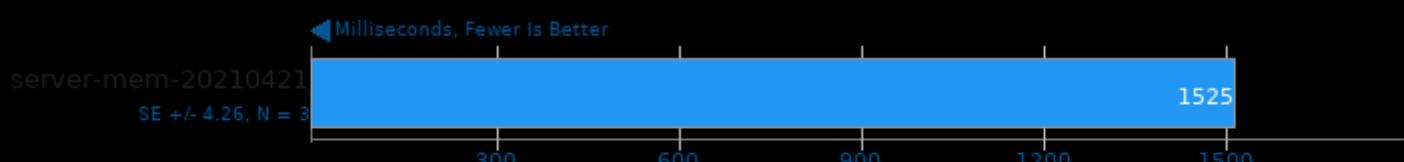
Memcached mcperf 1.6.9

Method: Replace



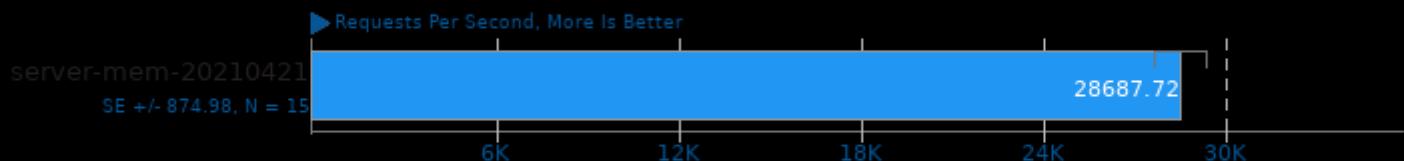
PyBench 2018-02-16

Total For Average Test Times



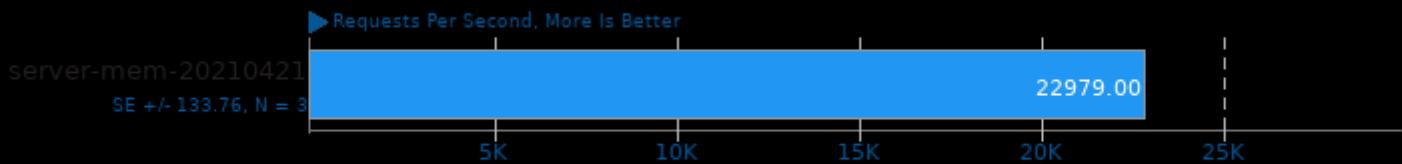
NGINX Benchmark 1.9.9

Static Web Page Serving



Apache Benchmark 2.4.29

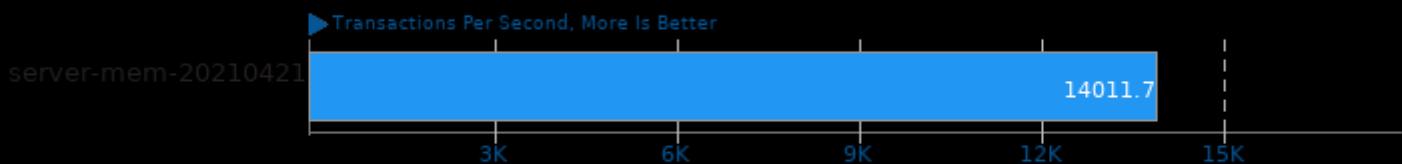
Static Web Page Serving



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

Apache Siege 2.4.29

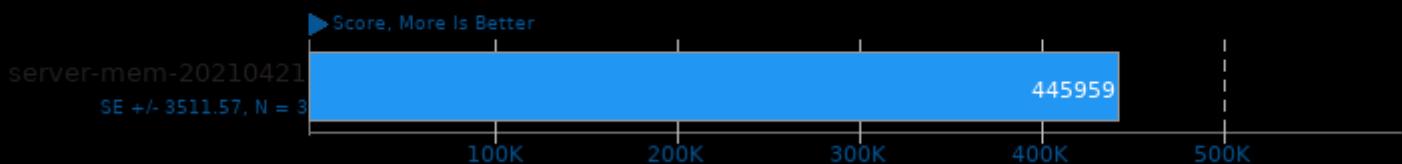
Concurrent Users: 50



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

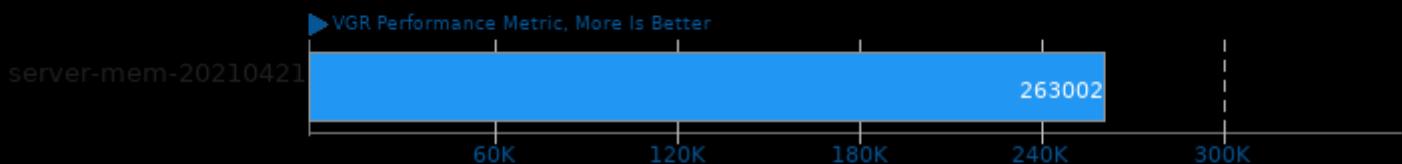
PHPBench 0.8.1

PHP Benchmark Suite



BRL-CAD 7.30.8

VGR Performance Metric



1. (CXX) g++ options: -std=c++11 -pipe -fno-strict-aliasing -fno-common -fexceptions -ftemplate-depth=128 -m64 -ggdb3 -O3 -fipa-ptx -fstrength-reduce

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:29.