



VmWare

VMware testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

Ramspeed32Cores

Processor: 32 x Intel Xeon Gold 6134 (63 Cores), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 1 x 16384 MB DRAM, Disk: 17GB Virtual disk + 21GB Virtual disk, Graphics: VMware SVGA II, Network: VMware VMXNET3

OS: Ubuntu 20.04, Kernel: 5.4.0-66-generic (x86_64), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1176x885, System Layer: VMware

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v

Processor Notes: CPU Microcode: 0x2006906

Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + I1tf: Mitigation of PTE Inversion; VMX: flush not necessary SMT disabled + mds: Mitigation of Clear buffers; SMT Host state unknown + 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 IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

ethr32core1threadalltests

iperf32core1,5threadsAlltests

iperf32core1,5threads,tcp,upd,udp1gbit

netperf32core10SecAlltests

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	Ramspeed32Co res	ethr32core1thre adalltests	iperf32core1,5t hreadAlltests	iperf32core1,5t hread,tcp,upd, udp1gbit	netperf32core1 0SecAlltests
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RAMspeed SMP - Add - Integer 28391
(MB/s)

Standard Deviation 11.6%

RAMspeed SMP - Copy - Integer 22607
(MB/s)

Standard Deviation 16.8%

RAMspeed SMP - Scale - Integer 21551
(MB/s)

Standard Deviation 7.7%

RAMspeed SMP - Triad - Integer 31870
(MB/s)

Standard Deviation 1.8%

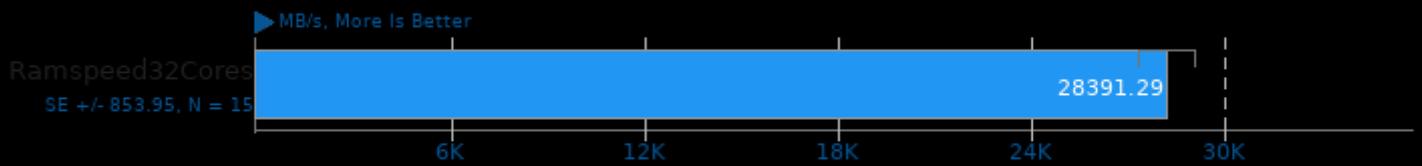
RAMspeed SMP - Average - Integer (MB/s) 20401

Standard Deviation 0.3%

RAMspeed SMP - Add - Floating Point (MB/s)	20704		
Standard Deviation	8.5%		
RAMspeed SMP - Copy - Floating Point (MB/s)	20196		
Standard Deviation	7.6%		
RAMspeed SMP - Scale - Floating Point (MB/s)	16811		
Standard Deviation	0.1%		
RAMspeed SMP - Triad - Floating Point (MB/s)	22436		
Standard Deviation	0.2%		
RAMspeed SMP - Average - Floating Point (MB/s)	19632		
Standard Deviation	0.2%		
iPerf - 192.168.131.118 - 5201 - 30 Seconds - TCP - 1 (Mbits/s)	3941	3697	
Normalized	100%	93.81%	
Standard Deviation	1.3%	7.1%	
iPerf - 192.168.131.118 - 5201 - 30 Seconds - UDP - 1 (Mbits/s)	1.05	1.05	
Standard Deviation	0%	0%	
Netperf - 192.168.131.38 - TCP Send File - 10 Seconds (Megabits/sec Throughput)			9396
Standard Deviation			0.1%
Netperf - 192.168.131.38 - T.R.R - 10 Seconds (Transaction)			9144
Standard Deviation			2.2%
Netperf - 192.168.131.38 - U.R.R - 10 Seconds (Transaction)			2157
Standard Deviation			104.5%
Netperf - 192.168.131.38 - TCP Stream - Client To Server - 10 Seconds (Megabits/sec Throughput)			8713
Standard Deviation			1.2%
Netperf - 192.168.131.38 - TCP Stream - Server To Client - 10 Seconds (Megabits/sec Throughput)			9393
Standard Deviation			0.1%
Netperf - 192.168.131.38 - UDP Stream - Server To Client - 10G - 10 Seconds (Megabits/sec Throughput)			6055
Standard Deviation			11.9%

RAMspeed SMP 3.5.0

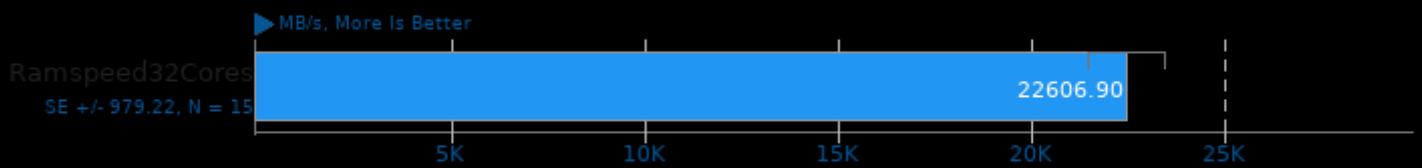
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

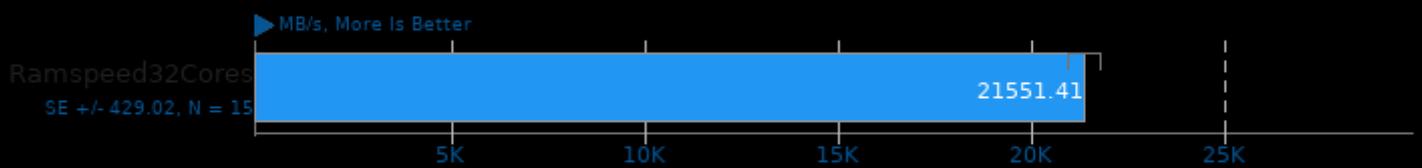
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

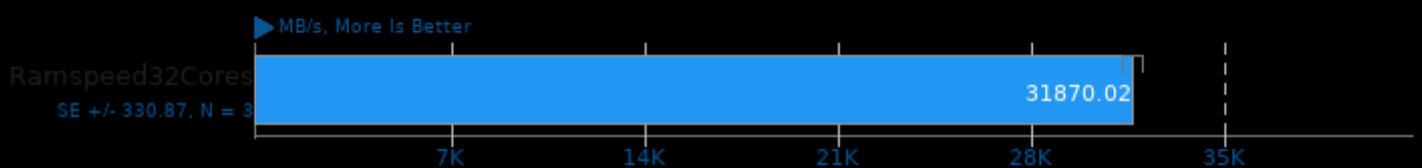
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

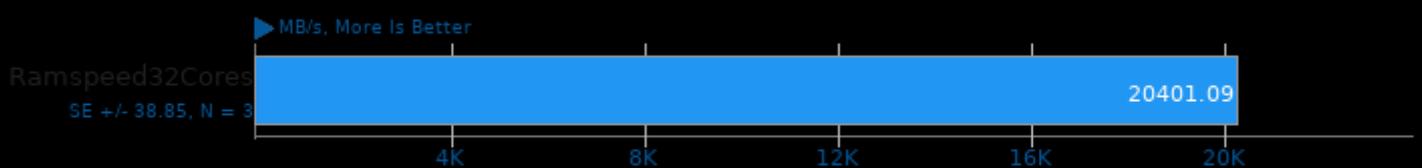
Type: Triad - Benchmark: Integer



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

RAMspeed SMP 3.5.0

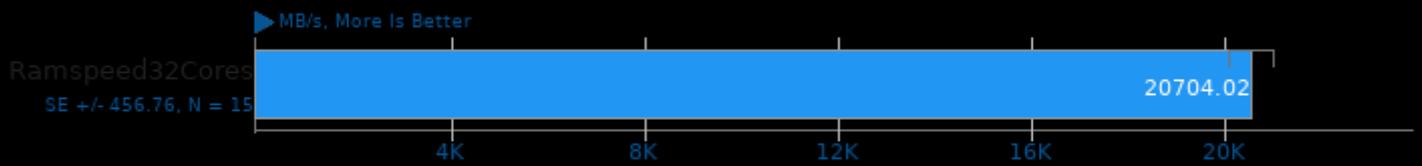
Type: Average - Benchmark: Integer



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

RAMspeed SMP 3.5.0

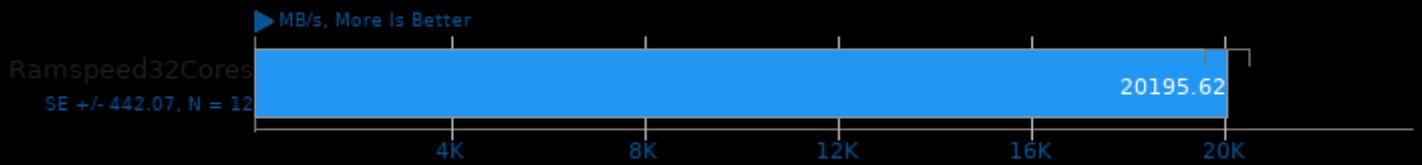
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

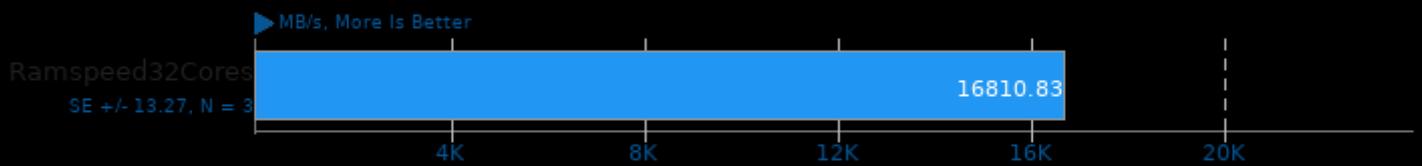
Type: Copy - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

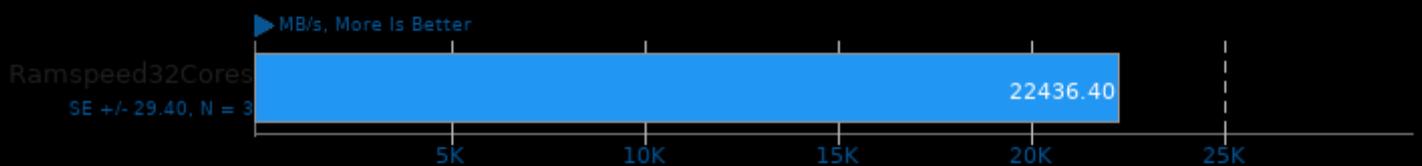
Type: Scale - Benchmark: Floating Point



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RAMspeed SMP 3.5.0

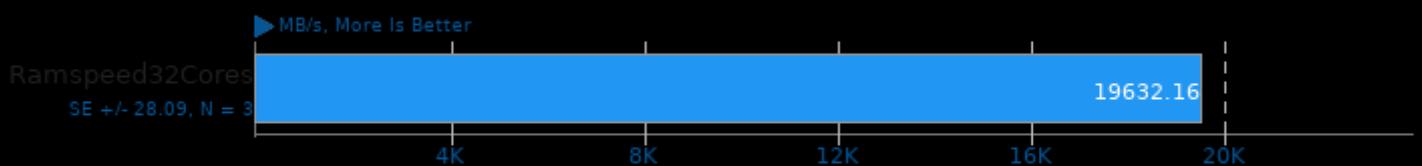
Type: Triad - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

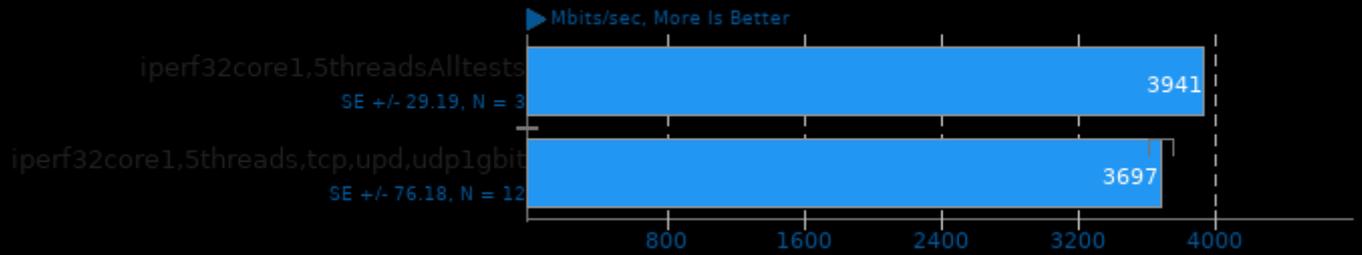
Type: Average - Benchmark: Floating Point



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

iPerf 3.7

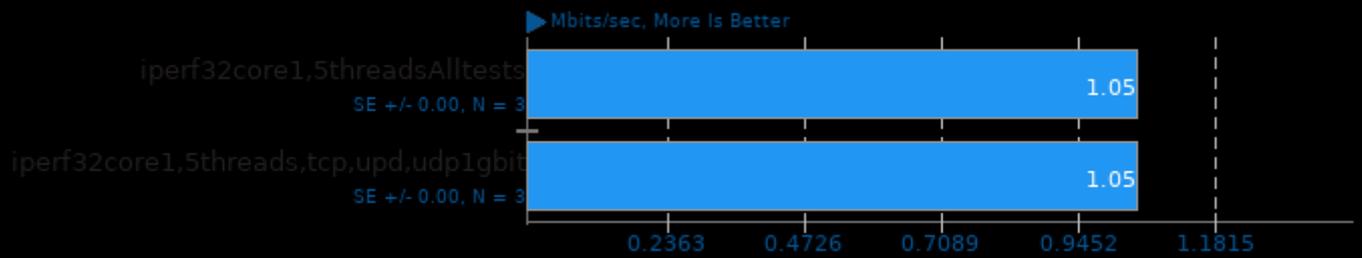
Server Address: 192.168.131.118 - Server Port: 5201 - Duration: 30 Seconds - Test: TCP - Parallel: 1



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

iPerf 3.7

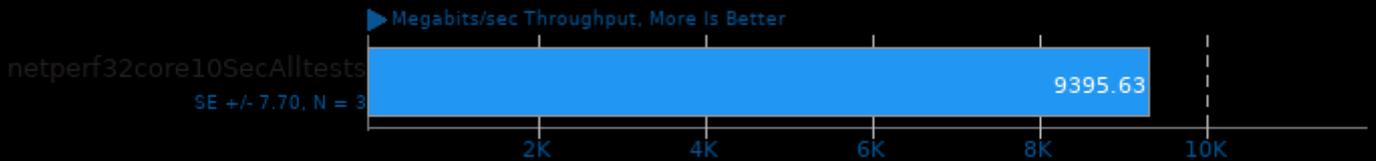
Server Address: 192.168.131.118 - Server Port: 5201 - Duration: 30 Seconds - Test: UDP - Parallel: 1



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

Netperf 2.7.0

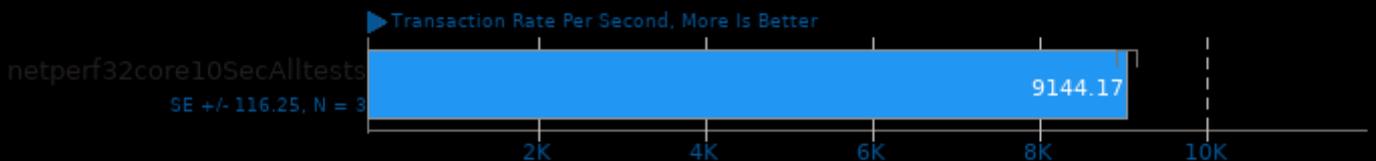
Server: 192.168.131.38 - Test: TCP Send File - Duration: 10 Seconds



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

Netperf 2.7.0

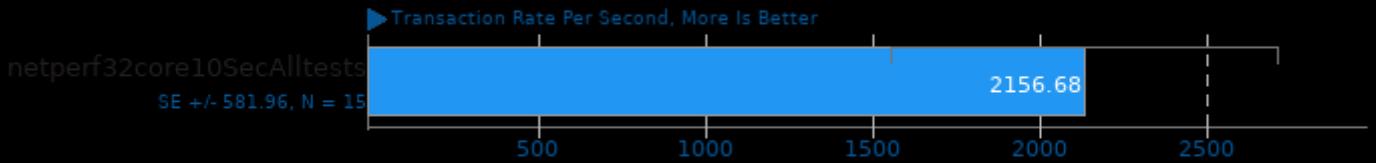
Server: 192.168.131.38 - Test: TCP Request Response - Duration: 10 Seconds



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

Netperf 2.7.0

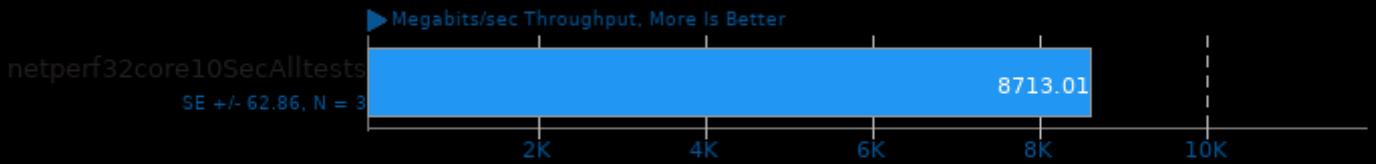
Server: 192.168.131.38 - Test: UDP Request Response - Duration: 10 Seconds



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

Netperf 2.7.0

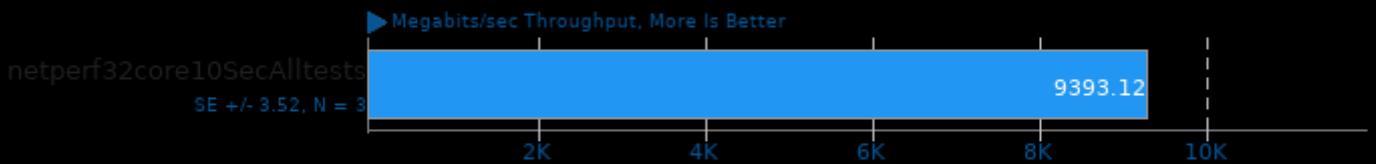
Server: 192.168.131.38 - Test: TCP Stream - Client To Server - Duration: 10 Seconds



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

Netperf 2.7.0

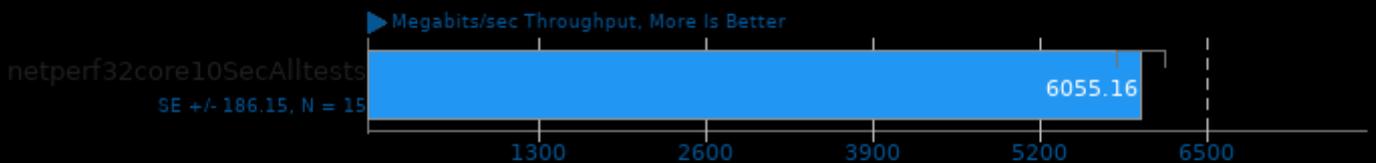
Server: 192.168.131.38 - Test: TCP Stream - Server To Client - Duration: 10 Seconds



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

Netperf 2.7.0

Server: 192.168.131.38 - Test: UDP Stream - Server To Client - 10G - Duration: 10 Seconds



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 08:18.