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CC23assignment2

Xen HVM domU 4.2.amazon testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

c1.medium.final

c1.medium

c1.medium.apache

Processor: Intel Xeon E5-2651 v2 (2 Cores), Motherboard: Xen HVM domU (4.2.amazon BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 1 x 1740 MB RAM, Disk: 8GB, Graphics: Cirrus Logic GD 5446

OS: Ubuntu 20.04, Kernel: 5.15.0-1028-aws (x86_64), Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, System Layer: Xen HVM domU 4.2.amazon

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

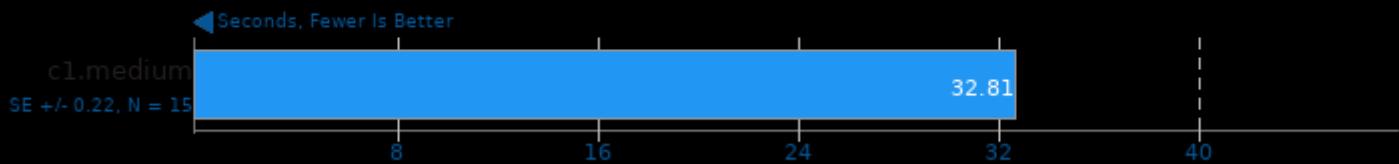
```
--enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch
--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --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: 0x42e
```

Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + I1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + mmio_state_data: Unknown: No mitigations + retbleed: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines STIBP: disabled RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	c1.medium.final	c1.medium	c1.medium.apache
Loopback TCP Network Performance -		32.806	
T.T.T.1.V.L (sec)			
Standard Deviation	2.6%		
John The Ripper - Blowfish (Real C/S)		1120	
Standard Deviation	2.1%		
LAME MP3 Encoding - WAV To MP3 (sec)		24.188	
Standard Deviation	1.9%		
OpenSSL - RSA4096 (sign/s)		136.6	
Standard Deviation	1.8%		
OpenSSL - RSA4096 (verify/s)		8952	
Standard Deviation	0.9%		
Apache Benchmark - S.W.P.S (Req/s)		2843	
Standard Deviation	1.5%		

Loopback TCP Network Performance

Time To Transfer 10GB Via Loopback



John The Ripper 1.9.0-jumbo-1

Test: Blowfish



1. (CC) gcc options: -m64 -fopenmp

LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

OpenSSL 3.0

Algorithm: RSA4096



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

OpenSSL 3.0

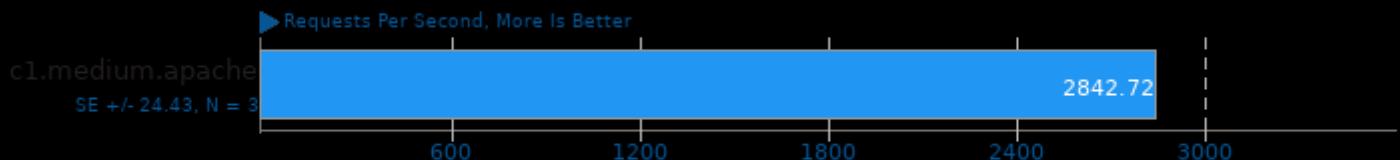
Algorithm: RSA4096



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

Apache Benchmark 2.4.29

Static Web Page Serving



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:49.