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cc23assignment2

amazon testing on Ubuntu 22.04 via the Phoronix Test Suite.

Test Systems:

T4g.medium

Processor: ARMv8 Neoverse-N1 (2 Cores), Motherboard: Amazon EC2 t4g.medium (1.0 BIOS), Chipset: Amazon Device 0200, Memory: 4096MB, Disk: 9GB Amazon Elastic Block Store, Network: Amazon Elastic

OS: Ubuntu 22.04, Kernel: 5.15.0-1028-aws (aarch64), Compiler: GCC 11.3.0, File-System: ext4, System Layer: amazon

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=aarch64-linux-gnu --disable-libquadmath --disable-libquadmath-support --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-fix-cortex-a53-843419 --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-nls --enable-objc-gc=auto --enable-plugin --enable-shared --enable-threads=posix --host=aarch64-linux-gnu --program-prefix=aarch64-linux-gnu- --target=aarch64-linux-gnu --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-target-system-zlib=auto -v
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of CSV2 BHB + srbds: Not affected +

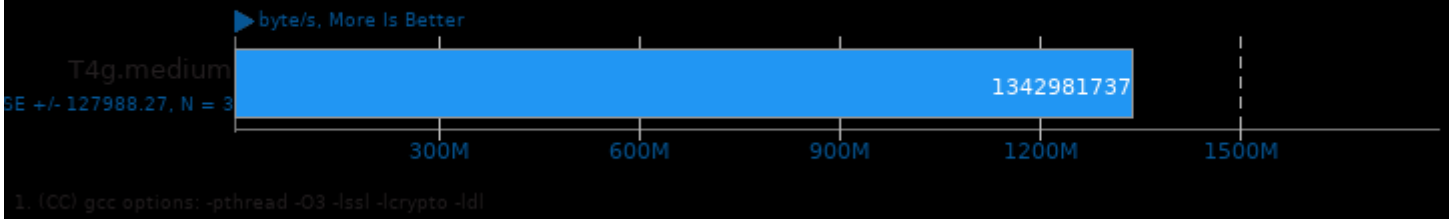
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tsx_async_abort: Not affected

	T4g.medium
OpenSSL - SHA256 (byte/s)	1342981737
Standard Deviation	0%
OpenSSL - RSA4096 (sign/s)	81.8
Standard Deviation	0.7%
OpenSSL - RSA4096 (verify/s)	6740
Standard Deviation	0.1%
Stream - Add (MB/s)	47773
Standard Deviation	1.3%
LAME MP3 Encoding - WAV To MP3 (sec)	11.437
Standard Deviation	5.7%
Apache HTTP Server - 1 (Reqs/sec)	4716
Standard Deviation	0.2%
Apache HTTP Server - 20 (Reqs/sec)	8516
Standard Deviation	0.1%
Apache HTTP Server - 100 (Reqs/sec)	8849
Standard Deviation	0.2%
Apache HTTP Server - 200 (Reqs/sec)	8752
Standard Deviation	0.5%
Apache HTTP Server - 500 (Reqs/sec)	8083
Standard Deviation	0.4%
Apache HTTP Server - 1000 (Reqs/sec)	7911
Standard Deviation	1.1%

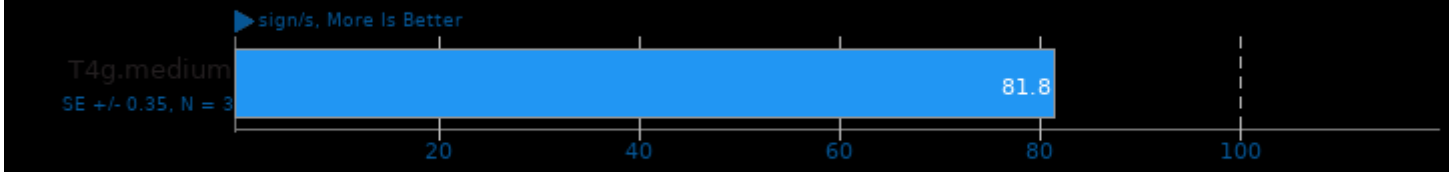
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OpenSSL 3.0
Algorithm: SHA256



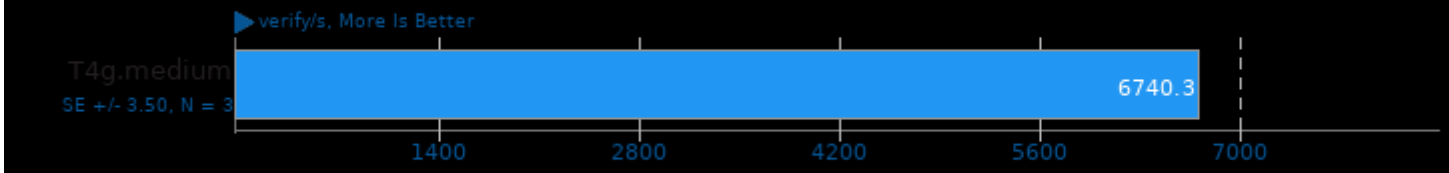
1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

OpenSSL 3.0
Algorithm: RSA4096



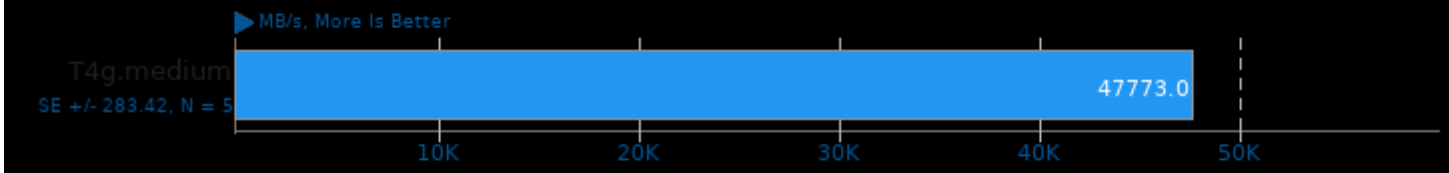
1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

OpenSSL 3.0
Algorithm: RSA4096



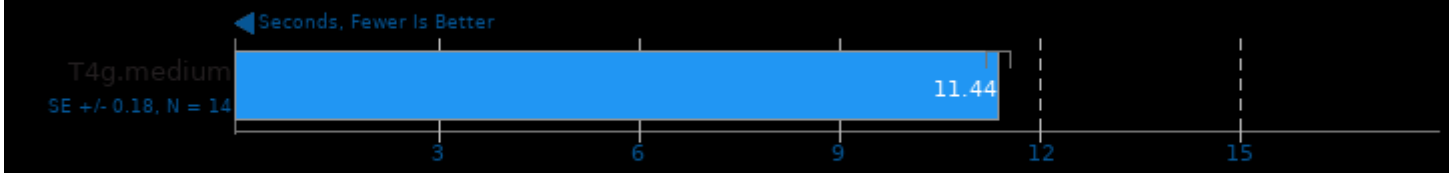
1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

Stream 2013-01-17
Type: Add

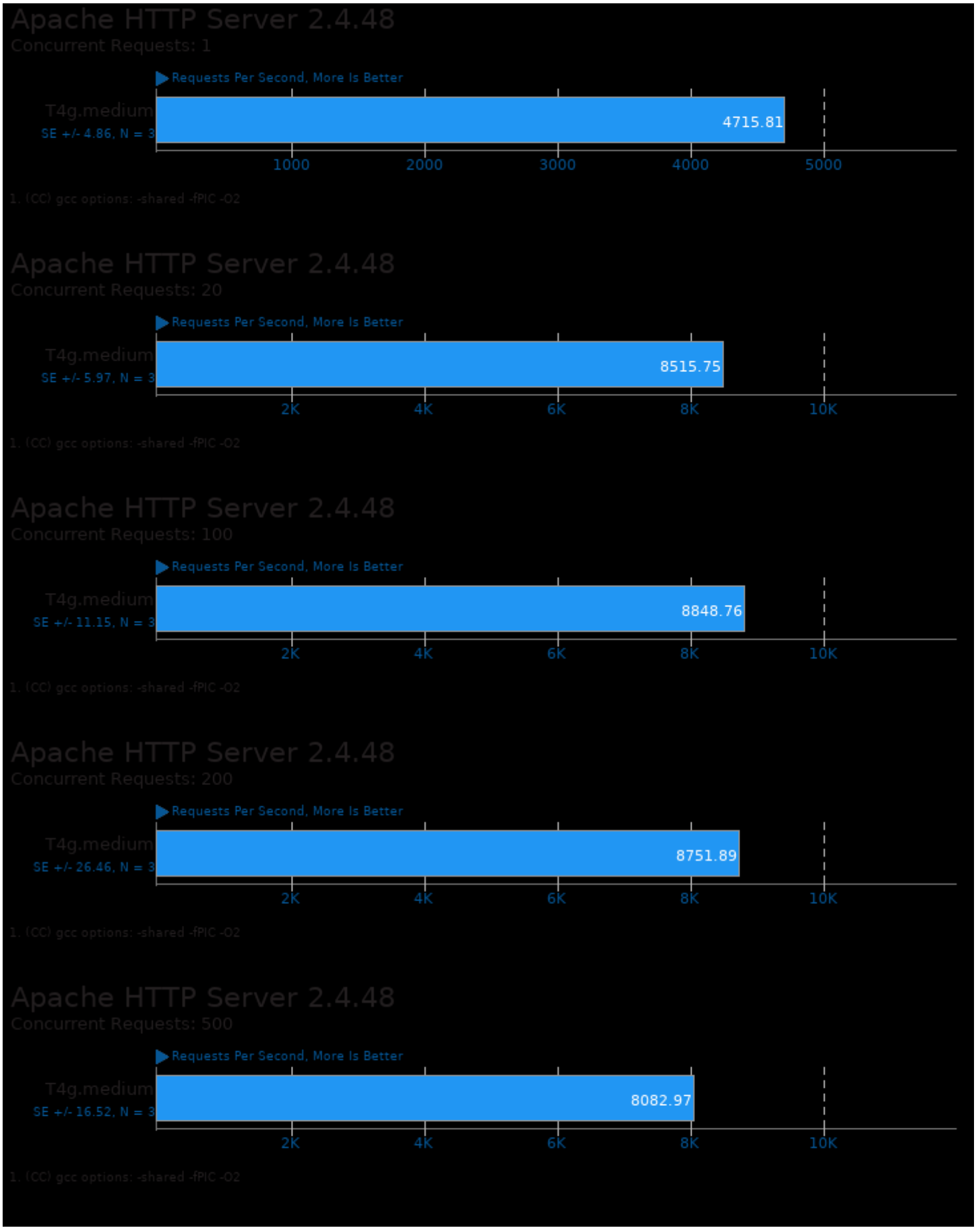


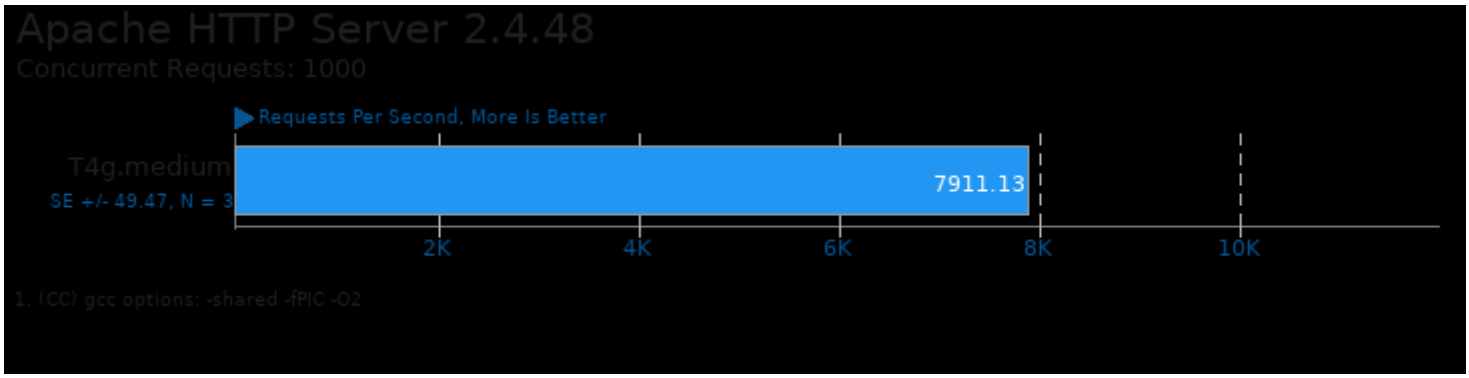
1. (CC) gcc options: -O3 -march=native -fopenmp

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


Apache HTTP Server 2.4.48
Concurrent Requests: 1
Requests Per Second, More Is Better
T4g.medium
SE +/- 4.86, N = 3
4715.81
1000
2000
3000
4000
5000
1. (CC) gcc options: -shared -fPIC -O2
Apache HTTP Server 2.4.48
Concurrent Requests: 20
Requests Per Second, More Is Better
T4g.medium
SE +/- 5.97, N = 3
8515.75
2K
4K
6K
8K
10K
1. (CC) gcc options: -shared -fPIC -O2
Apache HTTP Server 2.4.48
Concurrent Requests: 100
Requests Per Second, More Is Better
T4g.medium
SE +/- 11.15, N = 3
8848.76
2K
4K
6K
8K
10K
1. (CC) gcc options: -shared -fPIC -O2
Apache HTTP Server 2.4.48
Concurrent Requests: 200
Requests Per Second, More Is Better
T4g.medium
SE +/- 26.46, N = 3
8751.89
2K
4K
6K
8K
10K
1. (CC) gcc options: -shared -fPIC -O2
Apache HTTP Server 2.4.48
Concurrent Requests: 500
Requests Per Second, More Is Better
T4g.medium
SE +/- 16.52, N = 3
8082.97
2K
4K
6K
8K
10K
1. (CC) gcc options: -shared -fPIC -O2



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