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# sched\_rt\_runtime\_us\_1s

runtime 1 second instead of 950 ms

## **Test Systems:**

#### runtime 1s instead of 950ms

Processor: Intel Core i5-1145G7 (4 Cores), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 8GB, Disk: 107GB VMware Virtual S, Graphics: VMware SVGA II, Audio: Ensoniq ES1371/ES1373, Network: Intel 82545EM

OS: Ubuntu 18.04, Kernel: 5.4.0-148-generic (x86\_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1718x878, System Layer: VMware

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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++ --enable-libmpx --enable-libstdcxx-debug --enable-shared --e



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Security Notes: itlb\_multihit: Not affected + I1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + mmio\_stale\_data: Not affected + retbleed: Mitigation of IBRS + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of IBRS IBPB: conditional RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

#### runtime 1s instead of 950ms

Apache HTTP Server - 4 (Reqs/sec) 3843

Standard Deviation 12.2%

Apache HTTP Server - 20 (Reqs/sec) 5430

Standard Deviation 7%

Apache HTTP Server - 100 (Reqs/sec) 5501

Standard Deviation 6.5%

Apache HTTP Server - 200 (Reqs/sec) 5570

**Standard Deviation** 2.4%

Apache HTTP Server - 500 (Reqs/sec) 4806

Standard Deviation 10.2%

Apache HTTP Server - 1000 (Reqs/sec) 6751

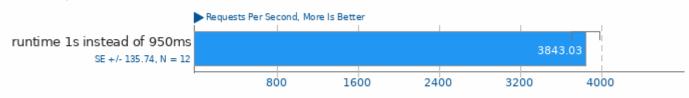
Standard Deviation 57.3%

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#### sched\_rt\_runtime\_us\_1s

#### Apache HTTP Server 2.4.56

Concurrent Requests: 4



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

### Apache HTTP Server 2.4.56

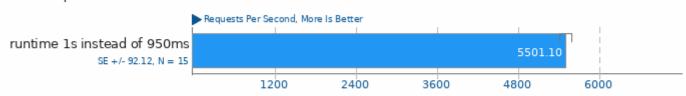
Concurrent Requests: 20



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

# Apache HTTP Server 2.4.56

Concurrent Requests: 100



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

### Apache HTTP Server 2.4.56

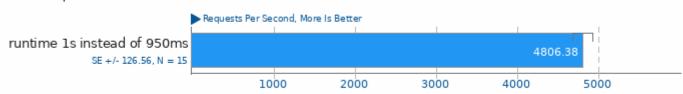
Concurrent Requests: 200



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

# Apache HTTP Server 2.4.56

Concurrent Requests: 500



1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

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1. (CC) gcc options: -lluajit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

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