www.phoronix-test-suite.com

timeslice_MS_150, sched_rr_timeslice_ms_10, sched_rr_timeslice_MS_50, default_

increased round robin time slice to 150 ms from 100ms

sched_rr_timeslice_ms_10: decreased round robin time slice to 10 ms from 100ms

sched_rr_timeslice_MS_50: decreased round robin time slice to 50 ms from 100ms

default_value_run: No tweaks to the Kernel Variables

Automated Executive Summary

round_robin_150ms had the most wins, coming in first place for 50% of the tests.

Based on the geometric mean of all complete results, the fastest (round_robin_150ms) was 2.251x the speed of the slowest (Ran with out-of-box config). round_robin_10ms was 1x the speed of round_robin_150ms, round_robin_50ms was 0.971x the speed of round_robin_10ms, Ran with out-of-box config was 0.458x the speed of round_robin_50ms.

Test Systems:

round_robin_150ms

round_robin_10ms

round_robin_50ms

Ran with out-of-box config

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

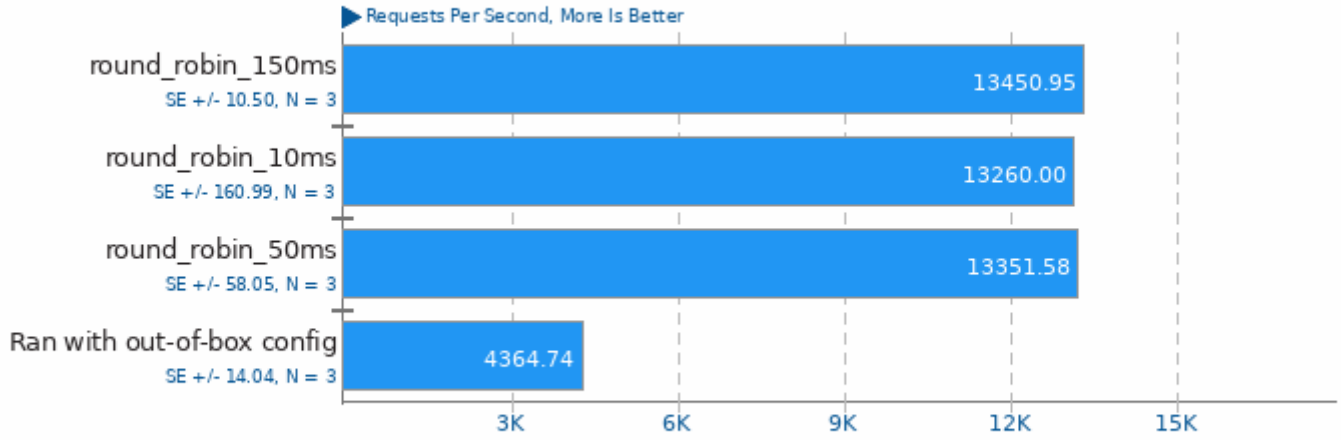
OS: Ubuntu 18.04, Kernel: 5.4.0-148-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1718x878, System Layer: VMware

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-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v
Processor Notes: CPU Microcode: 0xffffffff
Security Notes: itlb_multihit: Not affected + l1tf: 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

	round_robin_150ms	round_robin_10ms	round_robin_50ms	Ran with out-of-box config
Apache HTTP Server - 4 (Reqs/sec)	**13451**	13260	13352	**4365**
Normalized	100%	98.58%	99.26%	32.45%
Standard Deviation	0.1%	2.1%	0.8%	0.6%
Apache HTTP Server - 20 (Reqs/sec)	**16491**	16180	16317	**5354**
Normalized	100%	98.11%	98.94%	32.47%
Standard Deviation	0.4%	0.3%	1.7%	0.5%
Apache HTTP Server - 100 (Reqs/sec)	18768	**18920**	18794	**13568**
Normalized	99.2%	100%	99.33%	71.71%
Standard Deviation	1.2%	1.2%	0.1%	25.9%
Apache HTTP Server - 200 (Reqs/sec)	19184	**19425**	19291	**15664**
Normalized	98.76%	100%	99.31%	80.64%
Standard Deviation	0.4%	0.7%	0.7%	8.5%
Apache HTTP Server - 500 (Reqs/sec)	**17973**	17838	15069	**6844**
Normalized	100%	99.25%	83.84%	38.08%
Standard Deviation	0.1%	0.4%	21.5%	46.3%
Apache HTTP Server - 1000	17498	**17845**	17655	**5685**
Normalized	98.05%	100%	98.94%	31.86%
Standard Deviation	0.3%	0.4%	0.5%	1.1%

Apache HTTP Server 2.4.56

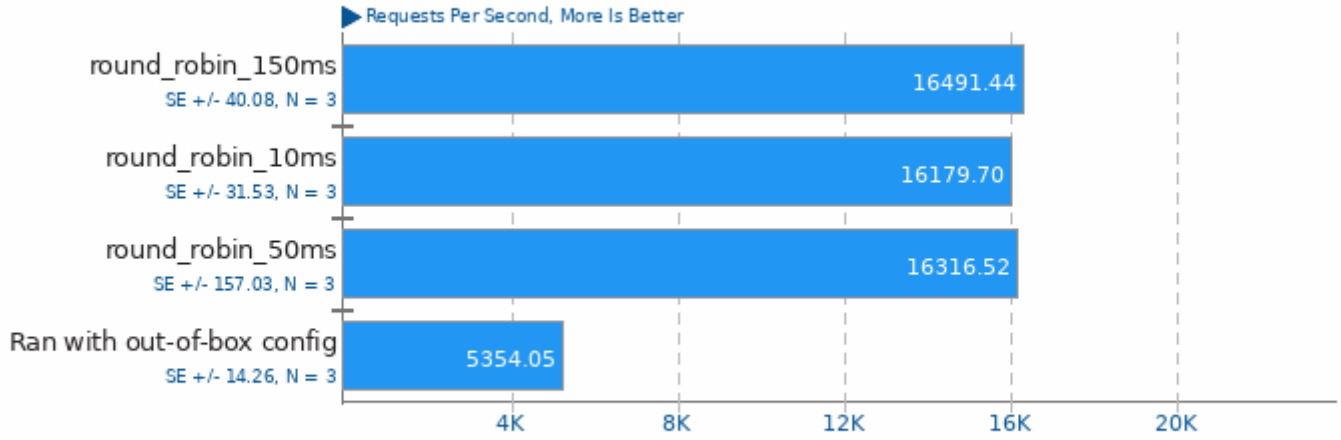
Concurrent Requests: 4



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

Apache HTTP Server 2.4.56

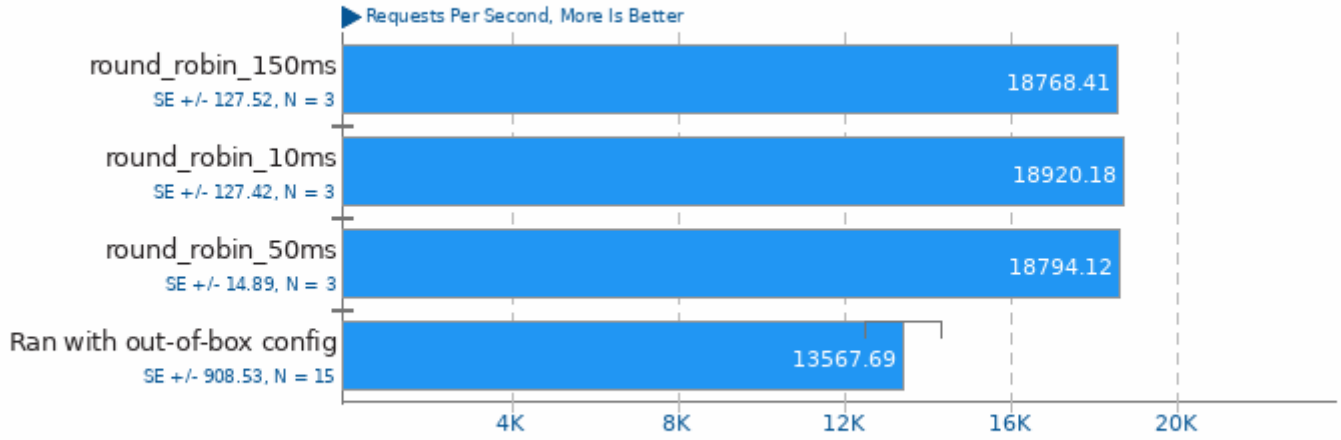
Concurrent Requests: 20



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

Apache HTTP Server 2.4.56

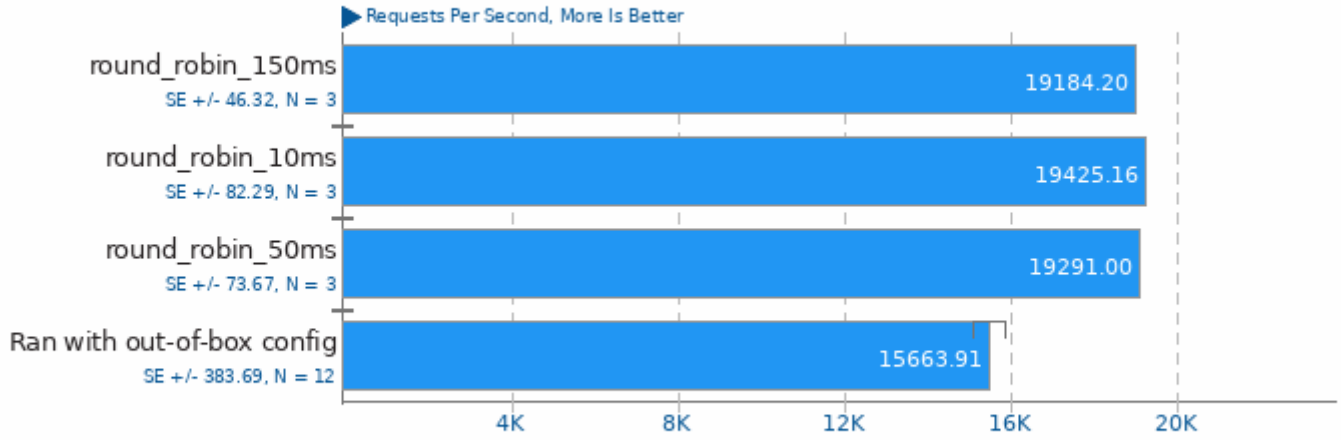
Concurrent Requests: 100



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

Apache HTTP Server 2.4.56

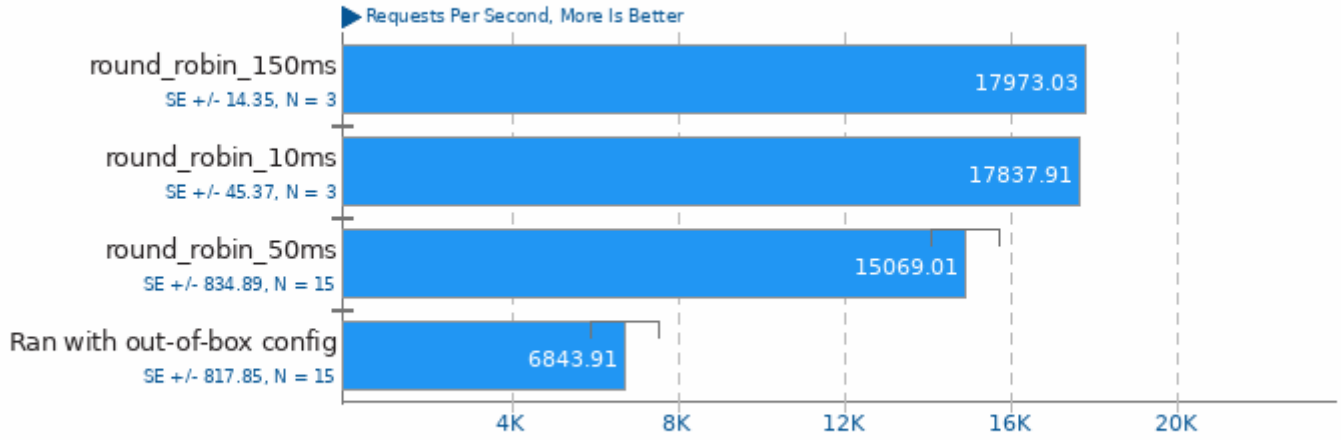
Concurrent Requests: 200



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

Apache HTTP Server 2.4.56

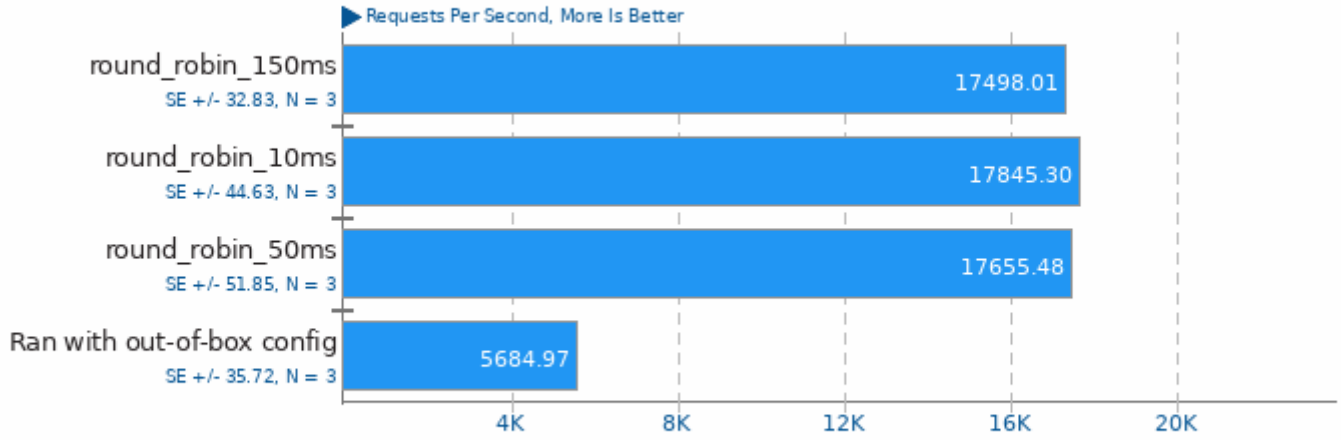
Concurrent Requests: 500



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

Apache HTTP Server 2.4.56

Concurrent Requests: 1000



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Saturday, 6 May 2023 19:08.