

www.phoronix-test-suite.com

cezanne web server

AMD Ryzen 5 5500U testing with a LENOVO LNVNB161216 (GLCN22WW BIOS) and AMD Lucienne 2GB on Ubuntu 21.04 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 76% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1.005x the speed of the slowest (3). 2 was 0.995x the speed of 1 and 3 was 1x the speed of 2.

Test Systems:

1

2

cezanne web server

3

Processor: AMD Ryzen 5 5500U @ 2.10GHz (6 Cores / 12 Threads), Motherboard: LENOVO LNVNB161216 (GLCN22WW BIOS), Chipset: AMD Renoir Root Complex, Memory: 6GB, Disk: 256GB SAMSUNG MZALQ256HBJD-00BL2, Graphics: AMD Lucienne 2GB (1800/400MHz), Audio: AMD Renoir Radeon HD Audio, Network: Qualcomm Atheros QCA6174 802.11ac

OS: Ubuntu 21.04, Kernel: 5.14.0-051400rc5daily20210811-generic (x86_64) 20210810, Desktop: GNOME Shell 3.38.4, Display Server: X Server 1.20.11 + Wayland, OpenGL: 4.6 Mesa 21.2.0-devel (git-4698755 2021-07-03 hirsute-oibaf-ppa) (LLVM 12.0.0), Vulkan: 1.2.182, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1080

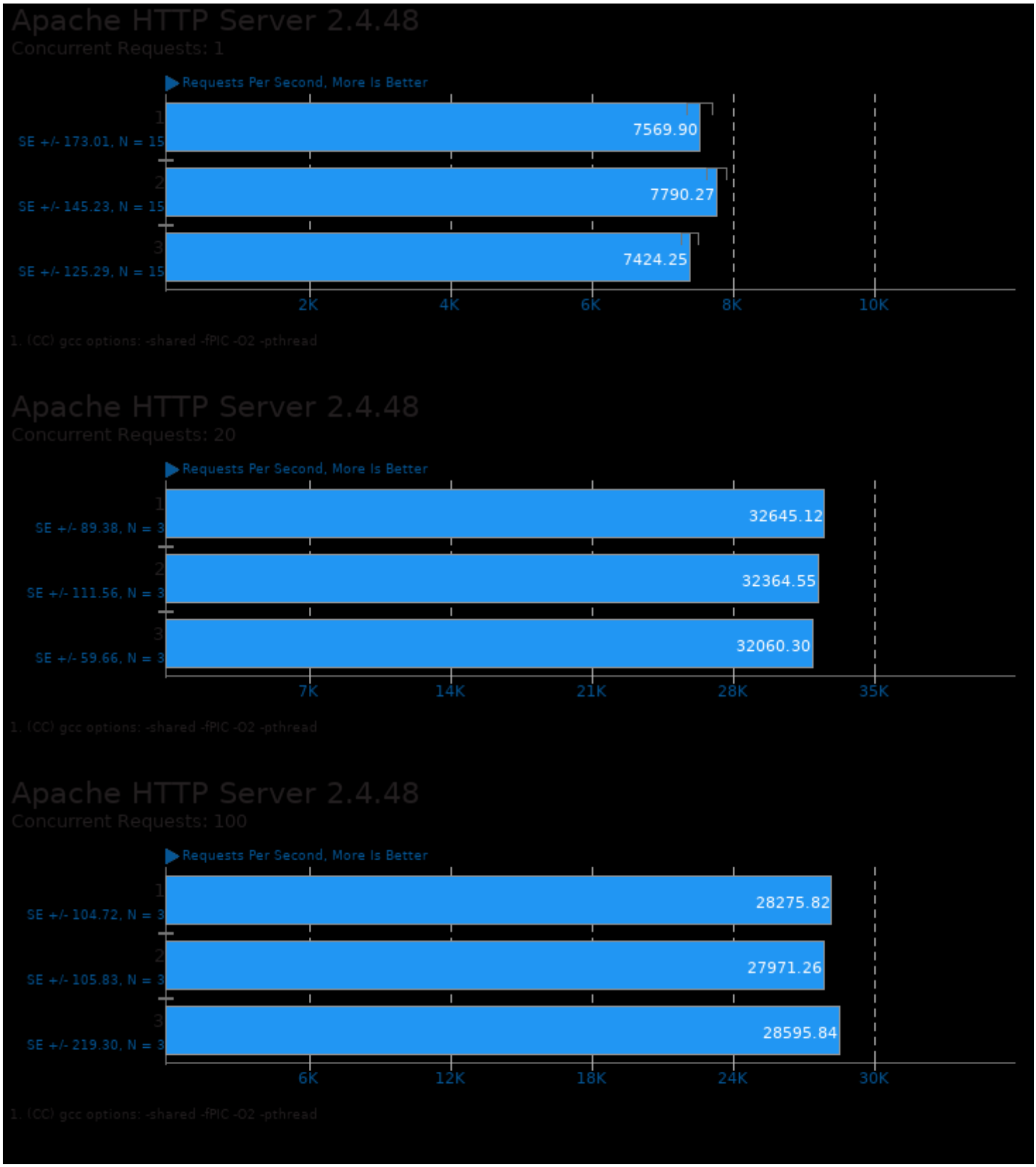
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-gDeRY6/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-gDeRY6/gcc-10-10.3.0/debian/tmp-gcn/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-build-config=bootstrap-lto-lean --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: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8608102
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 Full AMD retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2	3
Apache HTTP Server - 1 (Reqs/sec)	7570	**7790**	**7424**
Normalized	97.17%	100%	95.3%
Standard Deviation	8.9%	7.2%	6.5%
Apache HTTP Server - 20 (Reqs/sec)	**32645**	32365	**32060**
Normalized	100%	99.14%	98.21%
Standard Deviation	0.5%	0.6%	0.3%
Apache HTTP Server - 100 (Reqs/sec)	28276	**27971**	**28596**
Normalized	98.88%	97.82%	100%
Standard Deviation	0.6%	0.7%	1.3%
Apache HTTP Server - 200 (Reqs/sec)	**28382**	28533	**28592**
Normalized	99.27%	99.79%	100%
Standard Deviation	0.1%	0.8%	0.4%
Apache HTTP Server - 500 (Reqs/sec)	**27659**	**27548**	27628
Normalized	100%	99.6%	99.89%
Standard Deviation	0.4%	0.2%	0.1%
Apache HTTP Server - 1000 (Reqs/sec)	**27438**	27414	**27336**
Normalized	100%	99.91%	99.63%
Standard Deviation	0.3%	0.1%	0.1%
KeyDB (Ops/sec)	**344692**	**342697**	344104
Normalized	100%	99.42%	99.83%
Standard Deviation	1%	0.7%	0.4%
nginx - 1 (Reqs/sec)	**64139**	**62380**	63885
Normalized	100%	97.26%	99.6%
Standard Deviation	0.9%	1%	0.7%
nginx - 20 (Reqs/sec)	**321909**	**319020**	319386
Normalized	100%	99.1%	99.22%
Standard Deviation	1.2%	0.8%	0.9%

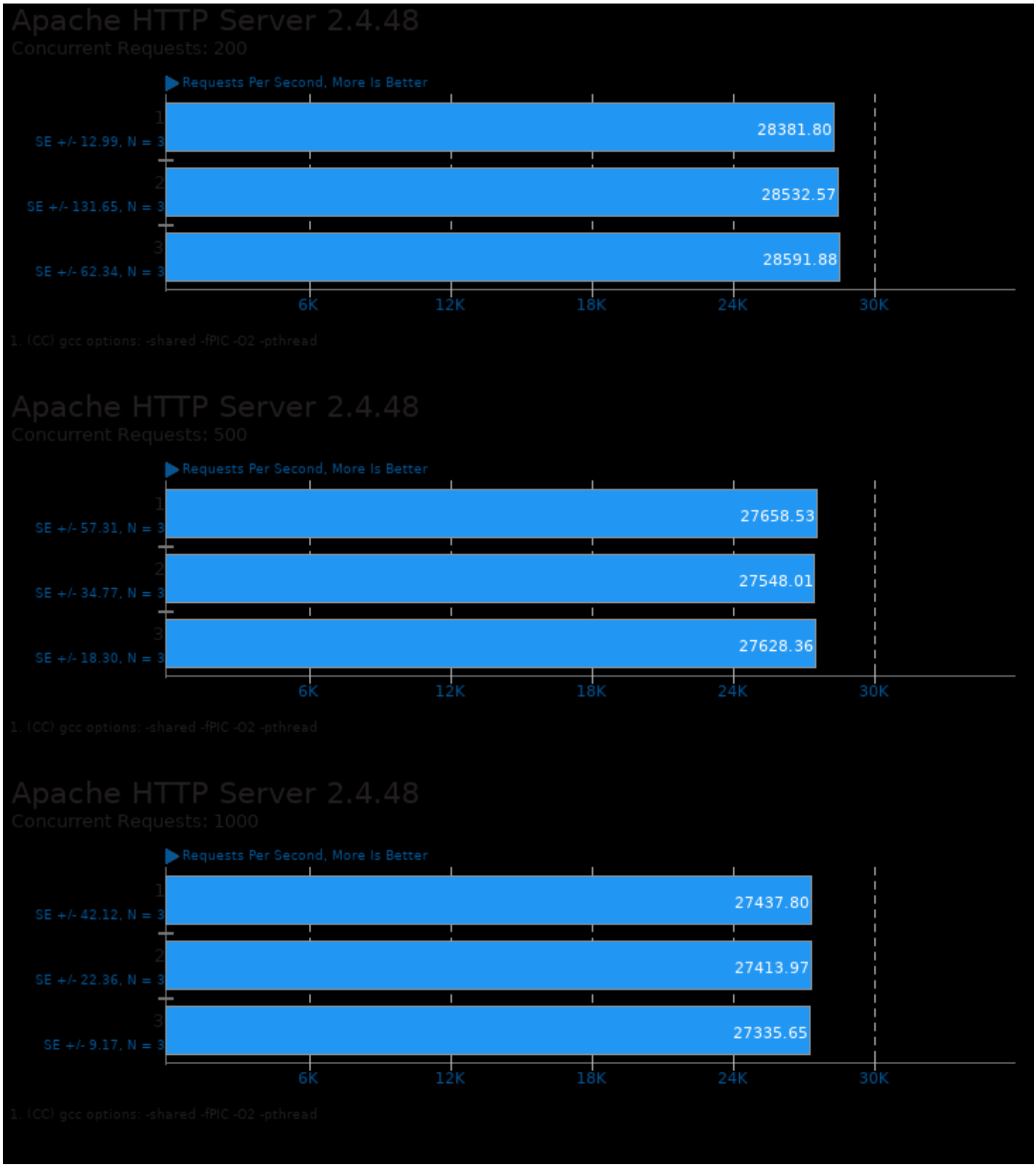
cezanne web server

nginx - 100 (Reqs/sec)	**307509**	**304557**	305093
Normalized	100%	99.04%	99.21%
Standard Deviation	0.7%	0.6%	0.7%
nginx - 200 (Reqs/sec)	**299147**	**295675**	296562
Normalized	100%	98.84%	99.14%
Standard Deviation	0.6%	0.8%	0.9%
nginx - 500 (Reqs/sec)	**292382**	**289892**	289951
Normalized	100%	99.15%	99.17%
Standard Deviation	0.4%	0.3%	0.6%
nginx - 1000 (Reqs/sec)	**275180**	274320	**273167**
Normalized	100%	99.69%	99.27%
Standard Deviation	0.4%	0.6%	0.5%

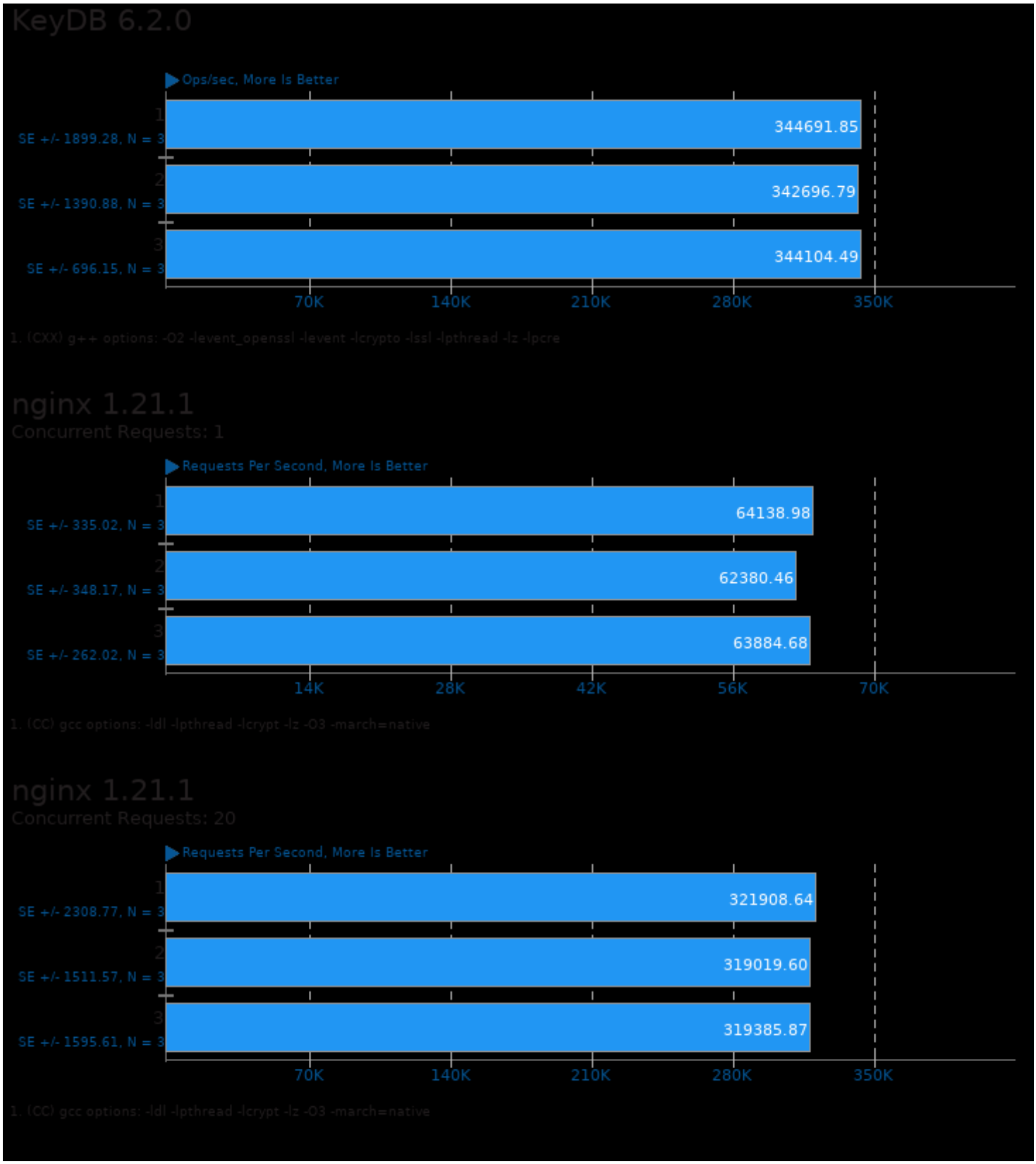
cezanne web server



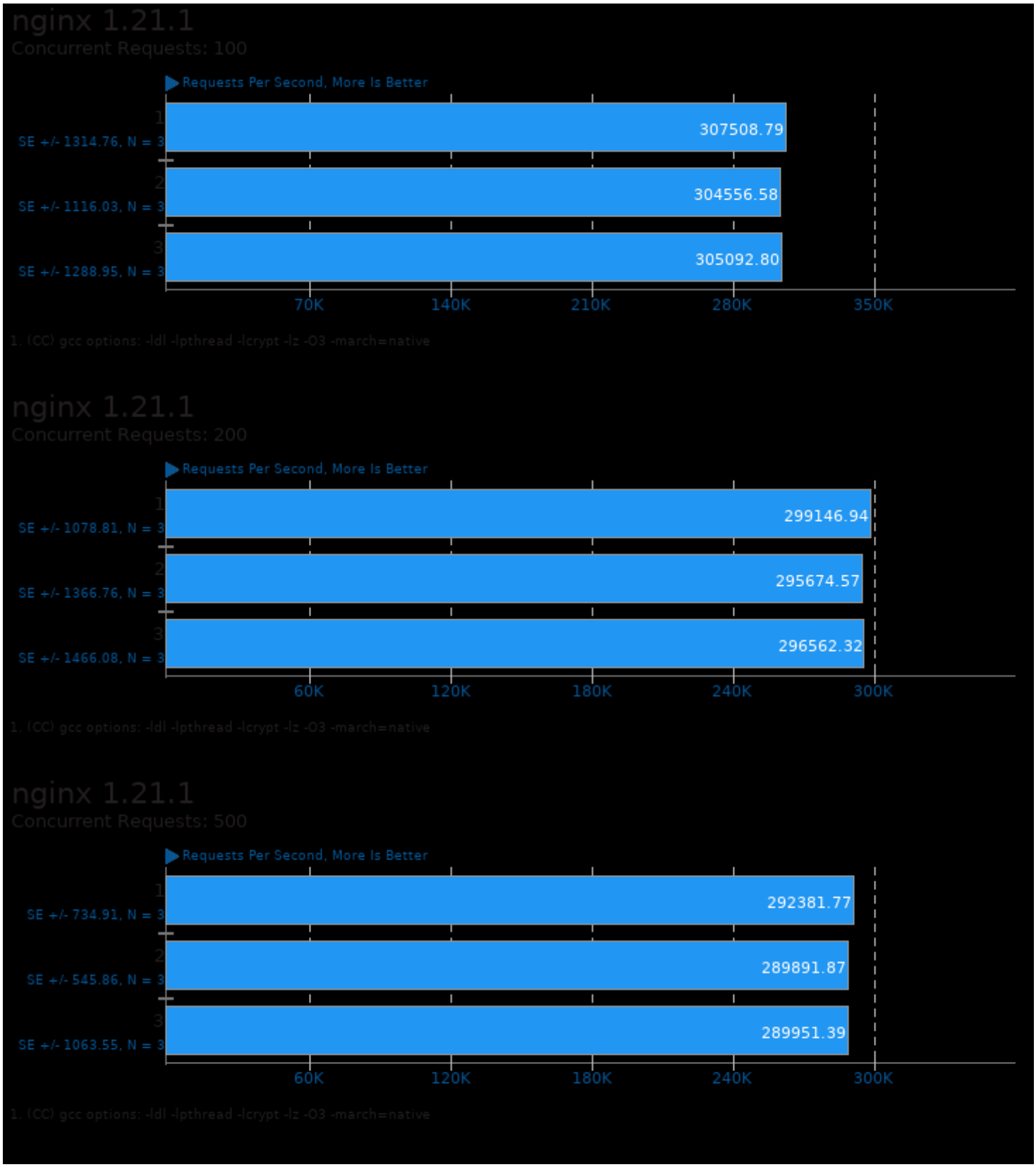
cezanne web server



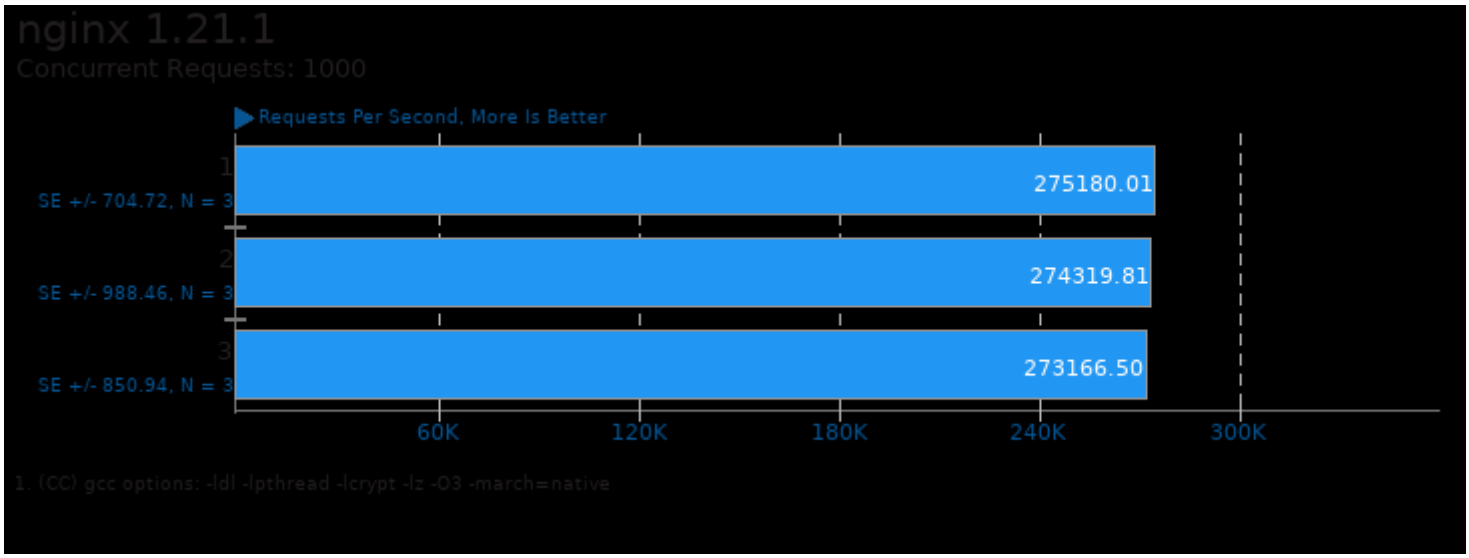
cezanne web server



cezanne web server

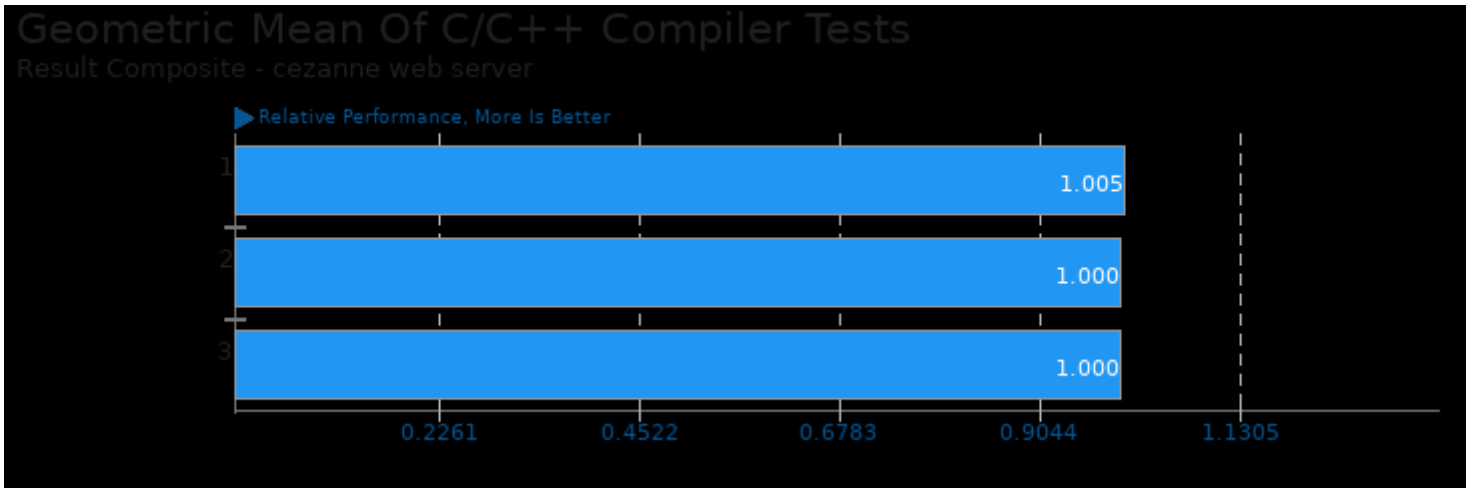


cezanne web server



cezanne web server

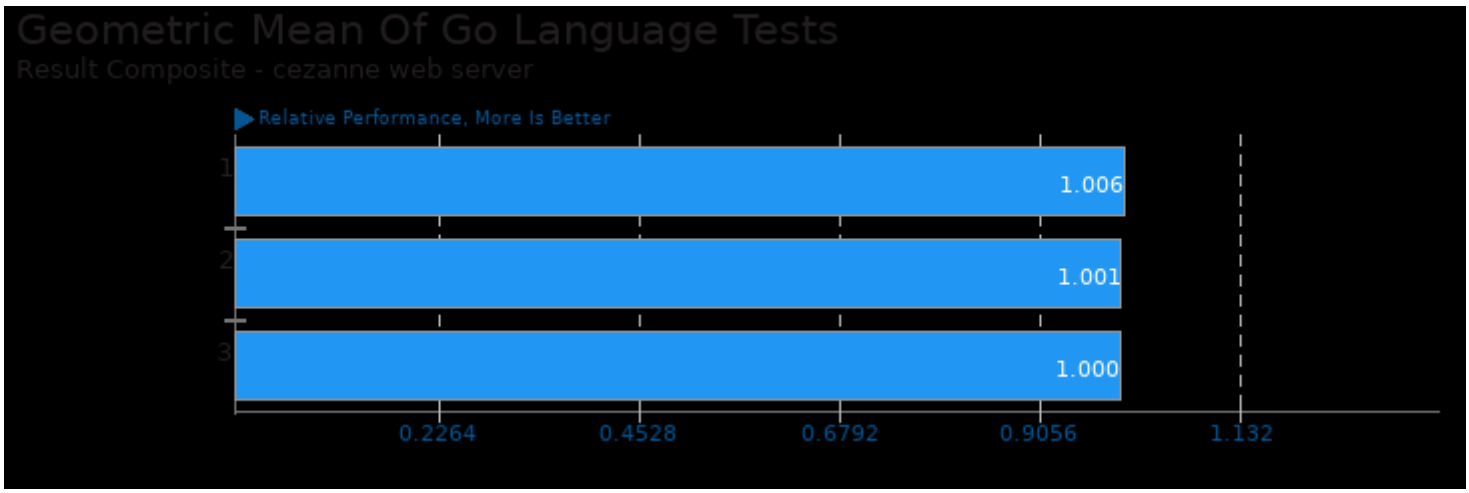
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/apache, pts/nginx and pts/keydb



Geometric mean based upon tests: pts/apache and pts/nginx



Geometric mean based upon tests: pts/apache and pts/nginx

cezanne web server



Geometric mean based upon tests: pts/apache, pts/nginx and pts/keydb

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:12.