

www.phoronix-test-suite.com

pg

Intel Core i9-13900KF testing with a ASUS ProArt Z790-CREATOR WIFI (0704 BIOS) and NVIDIA GeForce RTX 4090 on Arch Linux via the Phoronix Test Suite.

Test Systems:

Intel Core i9-13900KF - NVIDIA GeForce RTX 4090 -

Processor: Intel Core i9-13900KF @ 6.20GHz (24 Cores / 32 Threads), Motherboard: ASUS ProArt Z790-CREATOR WIFI (0704 BIOS), Chipset: Intel Device 7a27, Memory: 128GB, Disk: 2048GB SAMSUNG MZVL22T0HBLB-00B00, Graphics: NVIDIA GeForce RTX 4090, Audio: Realtek ALC1220, Network: Aquantia AQC113CS NBase-T/IEEE + Intel I226-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Arch Linux, Kernel: 6.1.5-xanmod1 (x86_64), Compiler: GCC 12.2.0 + Clang 14.0.6 + LLVM 14.0.6, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object

--enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-build-config=bootstrap-lto --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x10e
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: Vulnerable + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled PBRSB-eIBRS: Vulnerable + srbds: Not affected + tsx_async_abort: Not affected

	Intel Core i9-13900KF - NVIDIA GeForce RTX 4090 -
PostgreSQL - 1 - 50 - Read Write (TPS)	14608
Standard Deviation	2.9%
PostgreSQL - 1 - 50 - Read Write - Average Latency (ms)	3.426
Standard Deviation	3%
PostgreSQL - 100 - 50 - Read Write (TPS)	126326
Standard Deviation	1.9%
PostgreSQL - 100 - 50 - Read Write - Average Latency (ms)	0.396
Standard Deviation	1.9%
PostgreSQL - 1000 - 50 - Read Write (TPS)	106536
Standard Deviation	0.1%
PostgreSQL - 1000 - 50 - Read Write - Average Latency (ms)	0.469
Standard Deviation	0.1%
PostgreSQL - 10000 - 50 - Read Write (TPS)	47044
Standard Deviation	0.2%
PostgreSQL - 10000 - 50 - Read Write - Average Latency (ms)	1.063
Standard Deviation	0.2%
PostgreSQL - 25000 - 50 - Read Write (TPS)	36025
Standard Deviation	1.6%
PostgreSQL - 25000 - 50 - Read Write - Average Latency (ms)	1.388
Standard Deviation	1.6%

PostgreSQL 15

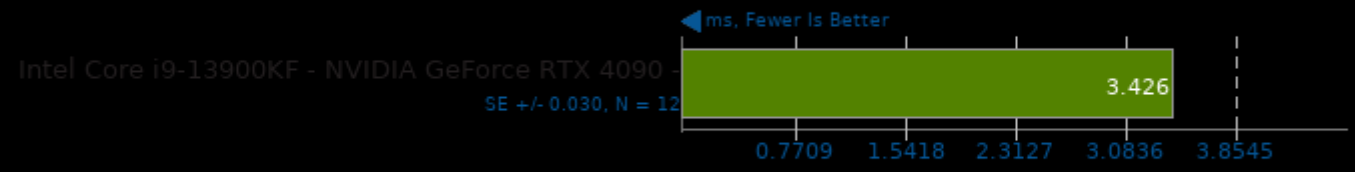
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

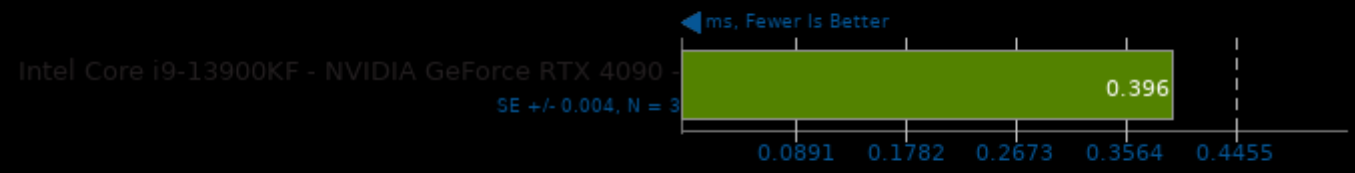
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

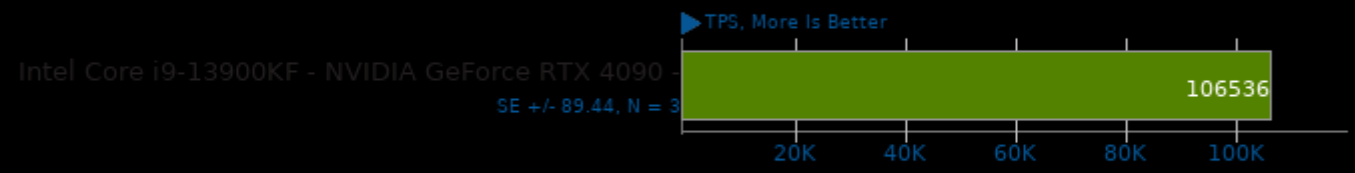
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



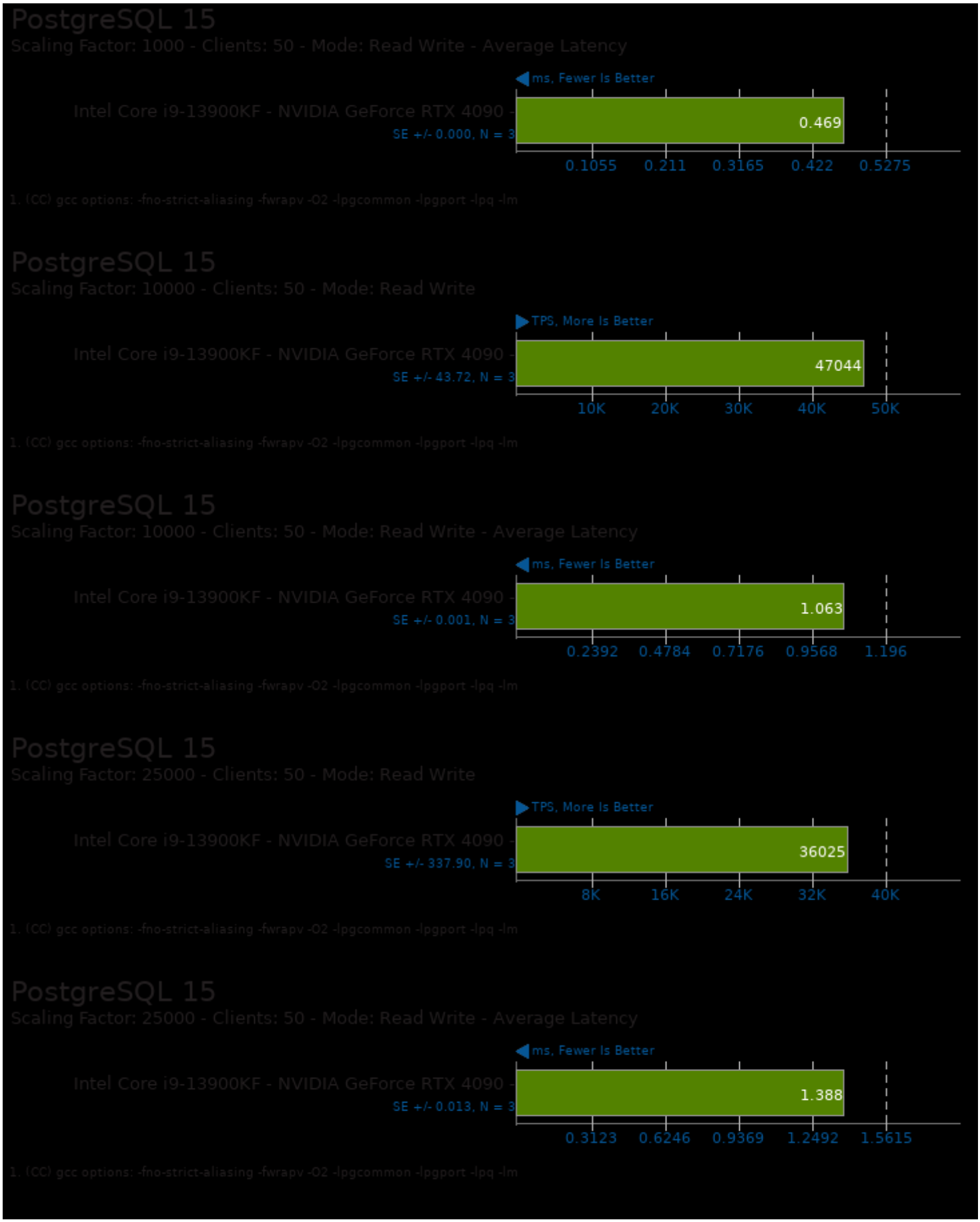
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

Scaling Factor: 1000 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm



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

16:41.