

www.phoronix-test-suite.com

0xO1-pts-botan-nightcrawler

AMD Ryzen 3 2200G testing with a ASUS ROG STRIX B450-F GAMING (3003 BIOS) and ASUS AMD Radeon Vega / Mobile 2GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

Desktop-x86_64-Ubuntu-20.04-pts-botan-nightcrawler-1637758780

Desktop-x86_64-Ubuntu-20.04-pts-botan-nightcrawler-1637795686

Processor: AMD Ryzen 3 2200G @ 3.50GHz (4 Cores), Motherboard: ASUS ROG STRIX B450-F GAMING (3003 BIOS), Chipset: AMD Raven/Raven2, Memory: 30GB, Disk: 2048GB T-FORCE TM8FP8002T, Graphics: ASUS AMD Radeon Vega / Mobile 2GB (1100/1067MHz), Audio: AMD Raven/Raven2/Fenghuang, Monitor: Sceptre C27, Network: Intel I211

OS: Ubuntu 20.04, Kernel: 5.11.0-40-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.11, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

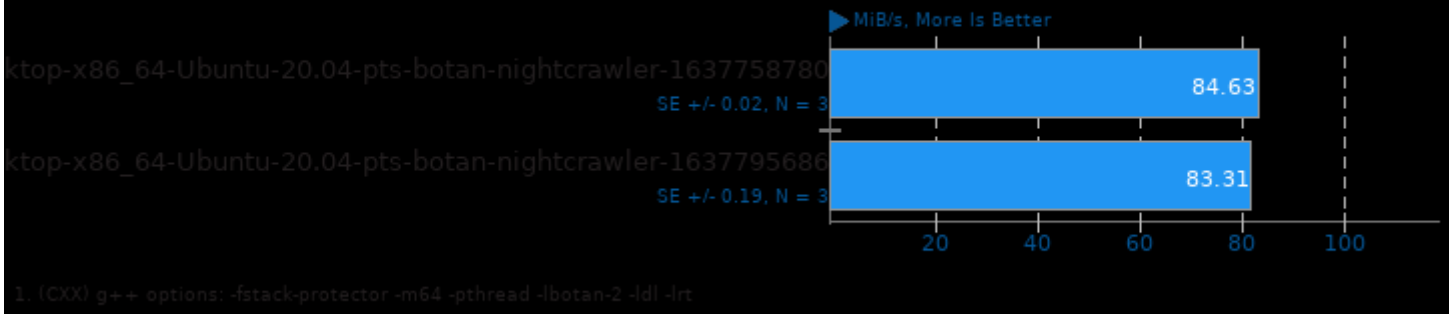
0xO1-pts-botan-nightcrawler

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/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-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 ondemand (Boost: Enabled) - CPU Microcode: 0x8101016
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 STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Desktop-x86_64-Ubuntu-20.04-pts-botan-nightcrawler-1637758780	Desktop-x86_64-Ubuntu-20.04-pts-botan-nightcrawler-1637795686
Botan - KASUMI (MiB/s)	**84.632**	**83.310**
Normalized	100%	98.44%
Standard Deviation	0%	0.4%
Botan - KASUMI - Decrypt (MiB/s)	**81.223**	**80.398**
Normalized	100%	98.98%
Standard Deviation	0%	0.3%
Botan - AES-256 (MiB/s)	**5071**	**4941**
Normalized	100%	97.44%
Standard Deviation	0.1%	0.4%
Botan - AES-256 - Decrypt (MiB/s)	**5065**	**4966**
Normalized	100%	98.06%
Standard Deviation	0%	0.5%
Botan - Twofish (MiB/s)	**326.766**	**319.633**
Normalized	100%	97.82%
Standard Deviation	0%	0.3%
Botan - Twofish - Decrypt (MiB/s)	**325.991**	**320.892**
Normalized	100%	98.44%
Standard Deviation	0%	0.8%
Botan - Blowfish (MiB/s)	**399.127**	**390.177**
Normalized	100%	97.76%
Standard Deviation	0%	0.3%
Botan - Blowfish - Decrypt (MiB/s)	**398.695**	**391.095**
Normalized	100%	98.09%
Standard Deviation	0.1%	0.1%
Botan - CAST-256 (MiB/s)	**130.193**	**128.612**
Normalized	100%	98.79%
Standard Deviation	0%	0.7%
Botan - CAST-256 - Decrypt (MiB/s)	**130.248**	**129.065**
Normalized	100%	99.09%
Standard Deviation	0%	0.6%
Botan - ChaCha20Poly1305 (MiB/s)	**447.198**	**439.434**
Normalized	100%	98.26%
Standard Deviation	0.2%	0.1%
Botan - ChaCha20Poly1305 - Decrypt (MiB/s)	**446.196**	**437.798**
Normalized	100%	98.12%
Standard Deviation	0.3%	0.2%

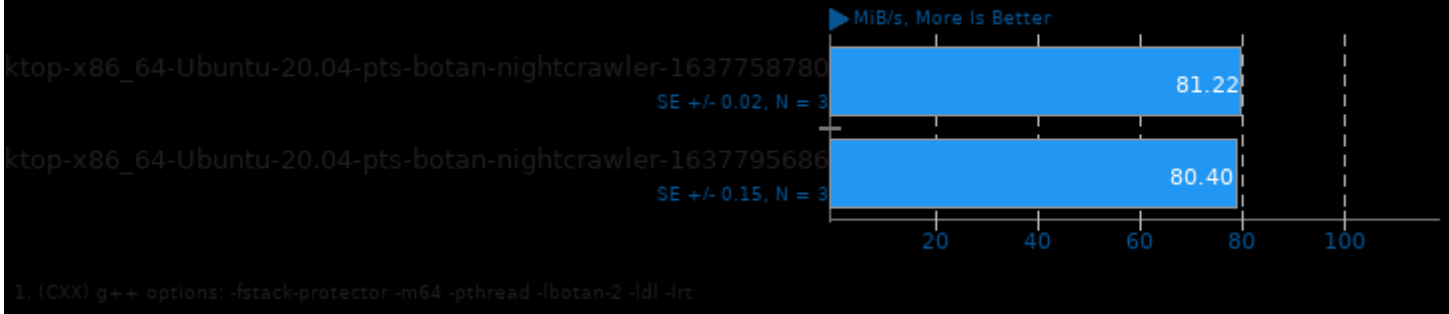
0xO1-pts-botan-nightcrawler

Botan 2.17.3
Test: KASUMI



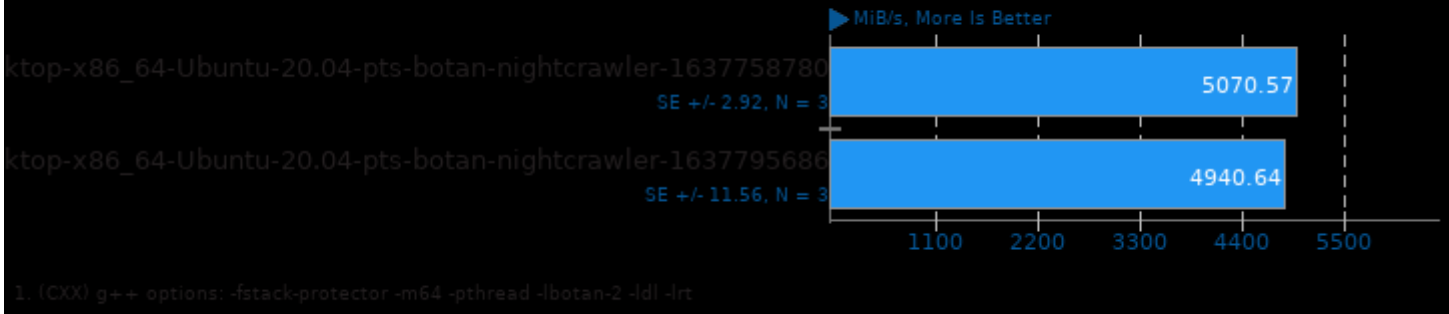
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: KASUMI - Decrypt



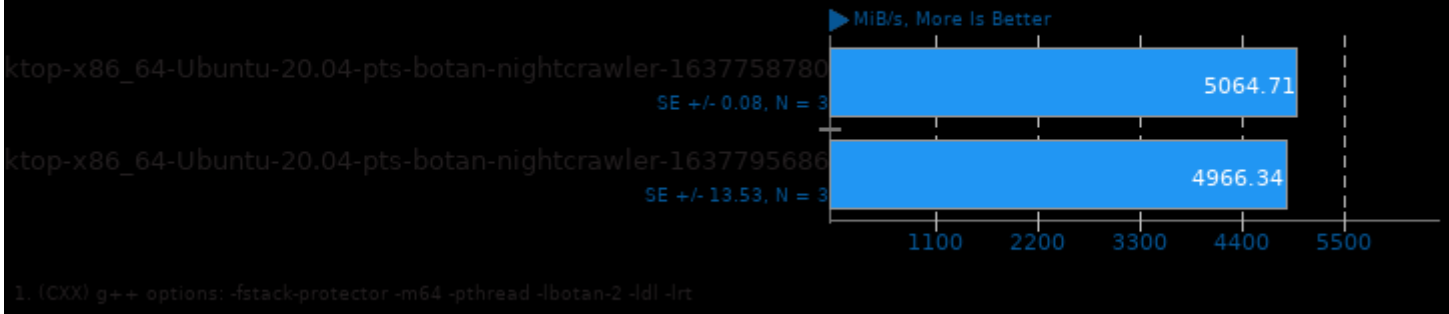
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: AES-256



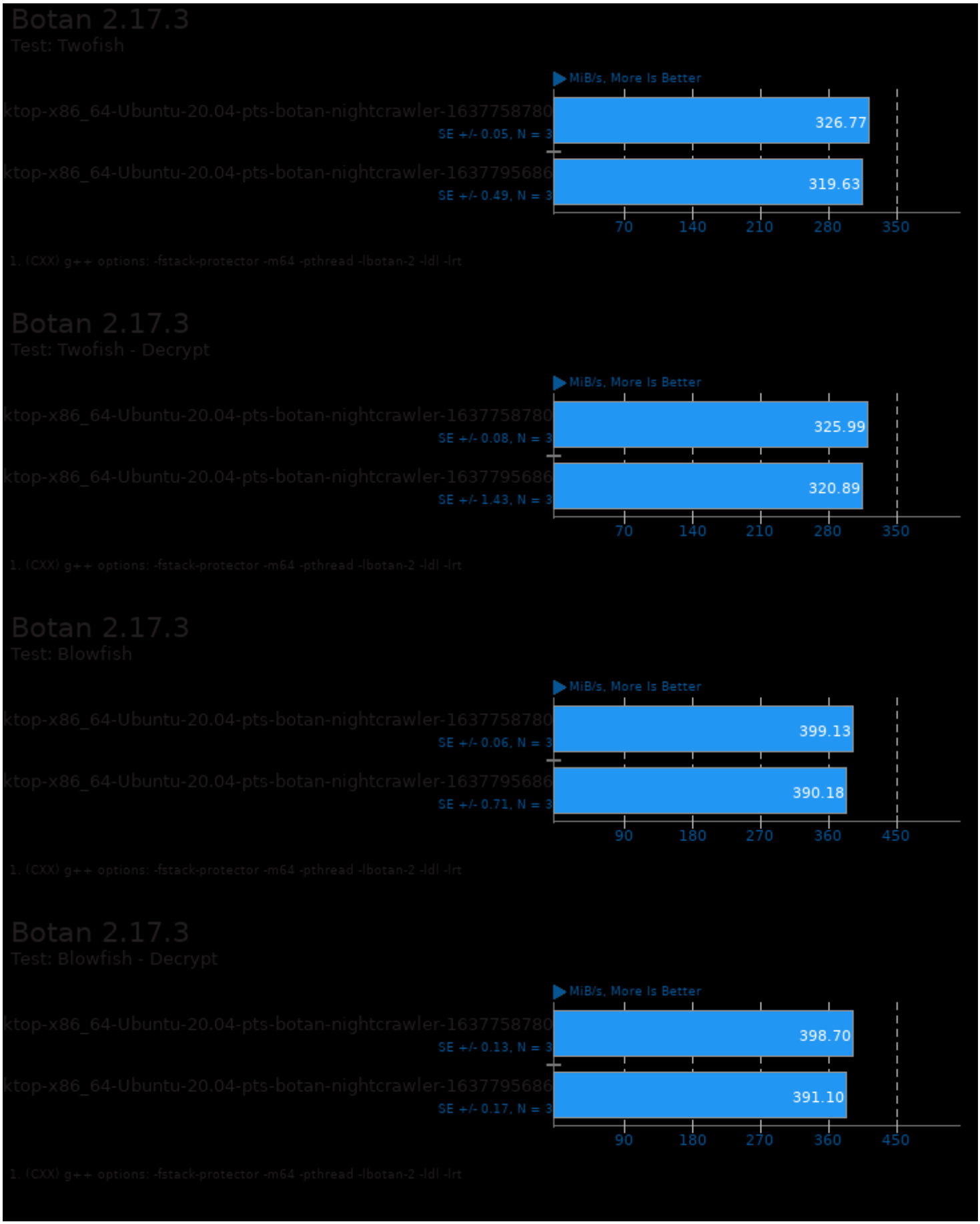
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: AES-256 - Decrypt



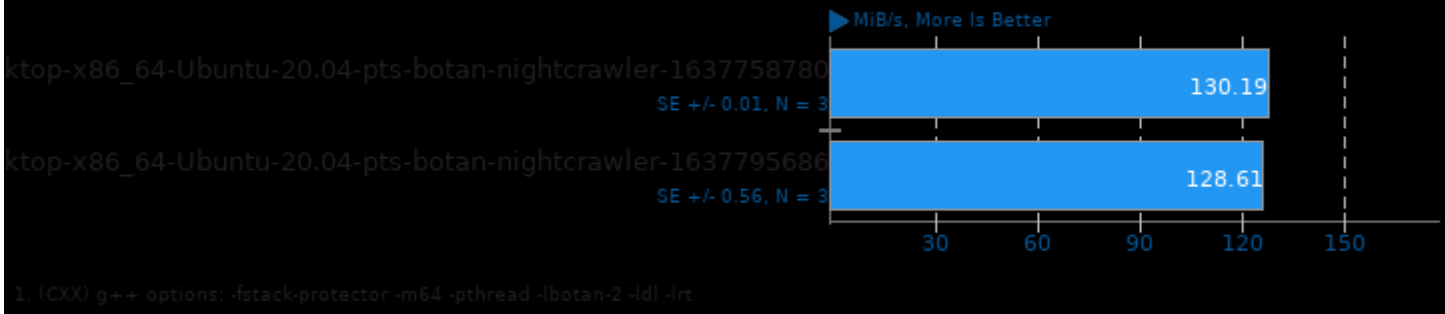
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

0xO1-pts-botan-nightcrawler



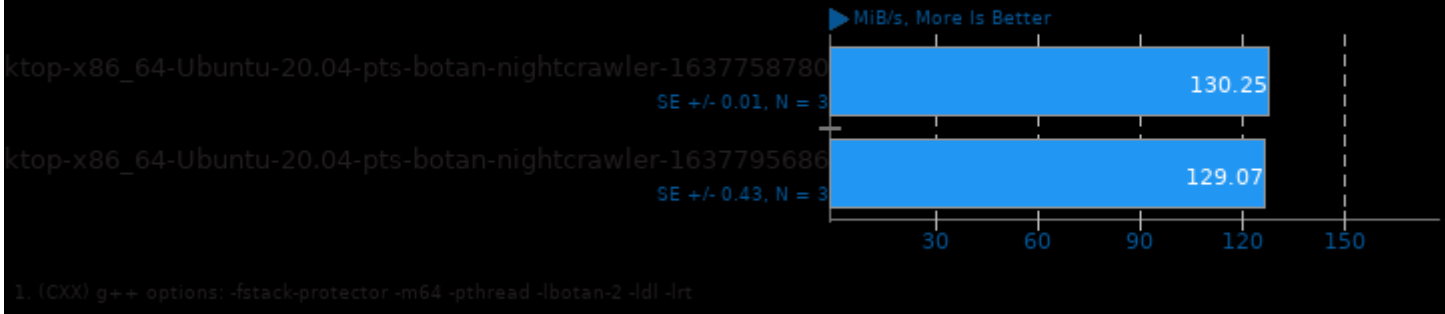
0xO1-pts-botan-nightcrawler

Botan 2.17.3
Test: CAST-256



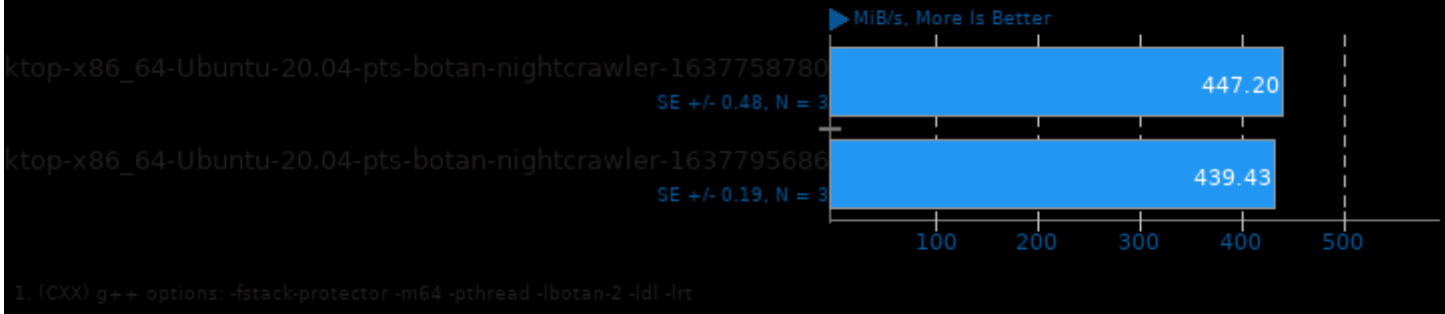
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: CAST-256 - Decrypt



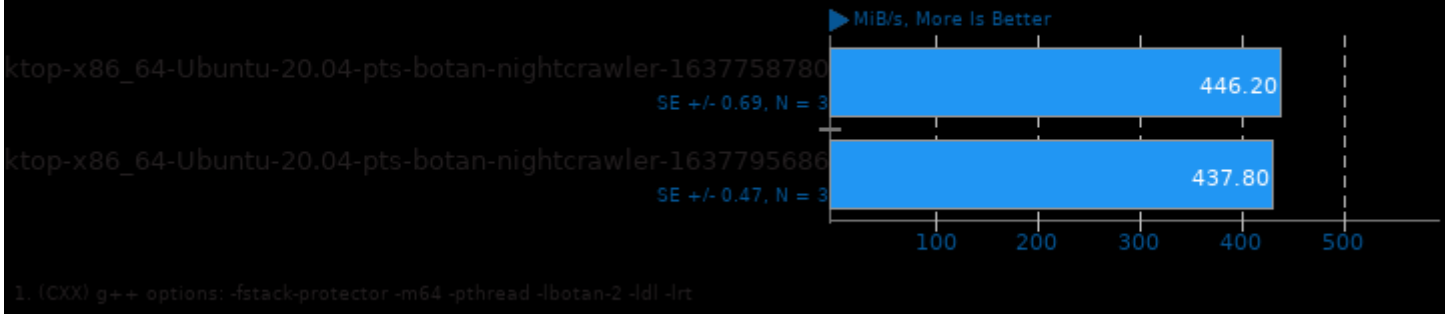
1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: ChaCha20Poly1305



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3
Test: ChaCha20Poly1305 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

0xO1-pts-botan-nightcrawler

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:57.