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2 x Intel Xeon X5670 testing with a HP ProLiant DL380 G6 (P62 BIOS) and AMD ES1000 128MB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

old_dual_xeon

Processor: 2 x Intel Xeon X5670 @ 2.93GHz (12 Cores / 24 Threads), Motherboard: HP ProLiant DL380 G6 (P62 BIOS), Chipset: Intel 5520 I/O + ICH10, Memory: 20GB, Disk: 240GB LOGICAL VOLUME, Graphics: AMD ES1000 128MB, Monitor: E2240, Network: 4 x Broadcom NetXtreme II BCM5709

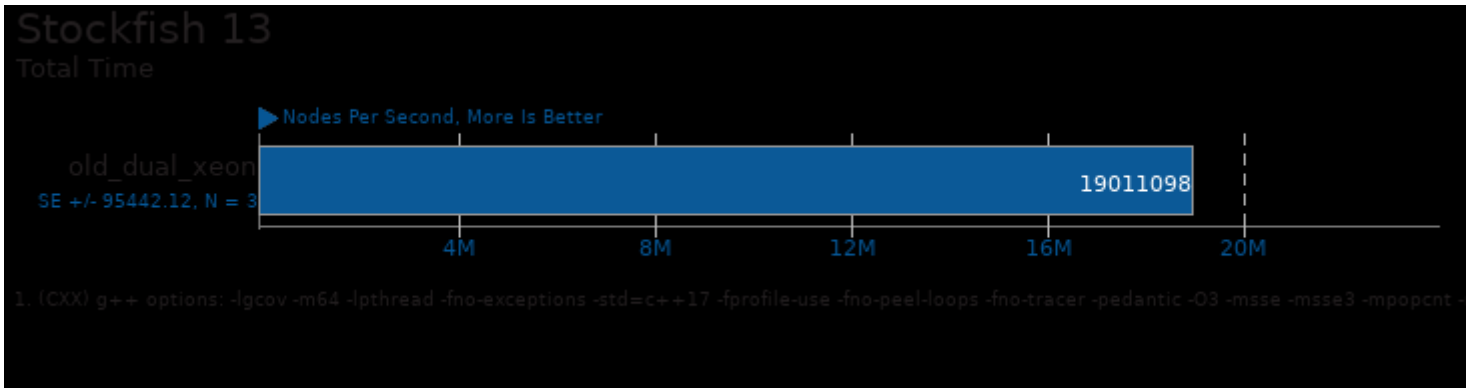
OS: Ubuntu 20.04, Kernel: 5.4.0-66-generic (x86_64), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768

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

sf13

--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: pcc-cpufreq performance - CPU Microcode: 0x1f
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

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Stockfish - Total Time (Nodes/s)	19011098
Standard Deviation	0.9%



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