



netcup VPS/RS compile performance

Comparison between netcup VPS and RS

Test Systems:

VPS 4000 G9

Processor: QEMU Virtual 2.5+ (8 Cores), Motherboard: netcup KVM Server (VPS 4000 G9 BIOS), Memory: 32GB, Disk: 652GB, Graphics: bochs-drmdrmfb, Monitor: QEMU Monitor

OS: Ubuntu 20.04.1 LTS, Kernel: 5.11.6-gentoo-dist (x86_64), Display Driver: bochs-drmdrmfb, Compiler: GCC 9.3.0, File-System: overlayfs, Screen Resolution: 1024x768, System Layer: QEMU

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: CPU Microcode: 0x1000065

Python Notes: Python 3.8.5

Security Notes: itlb_multihit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaggs 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

Threadripper 1950X 16-Core @ 3.90GHz

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: ASRock X399 Taichi (P3.90 BIOS), Memory: 64GB, Disk: 1000GB Samsung SSD 960 EVO 1TB + 2 x 8002GB Seagate ST8000DM004-2CX1 + 1000GB Samsung SSD 840

OS: Ubuntu 20.04.1 LTS, Kernel: 5.11.11-gentoo-dist (x86_64), Compiler: GCC 9.3.0, File-System: fuseblk

Kernel Notes: amdgpu.dpm=1 amdgpu.bapm=1 amdgpu.abmlevel=0 amdgpu.ppfeaturemask=0xffffffff kvm.ignore_msrs=1 vfio_iommu_type1.allow_unsafe_interrupts=1 vfio_pci.ids=8086:24fb - 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 performance (Boost: Enabled) - CPU Microcode: 0x8001137
 Security Notes: itlb_multihit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swaggs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx_async_abort: Not affected

Lenovo T14 Ryzen 7 PRO 4750U

Processor: AMD Ryzen 7 PRO 4750U @ 1.40GHz (8 Cores / 16 Threads), Motherboard: LENOVO 20UD0013GE (R1BET60W1.29 BIOS), Memory: 32GB, Disk: 1024GB SAMSUNG MZVLB1T0HBLR-000L7, Graphics: amdgpudrmfb (1600/400MHz), Monitor: Dell U4919DW

OS: Debian GNU/Linux 10, Kernel: 5.11.11 (x86_64), Compiler: GCC 8.3.0, File-System: btrfs, Screen Resolution: 5120x1440, System Layer: systemd-nspawn

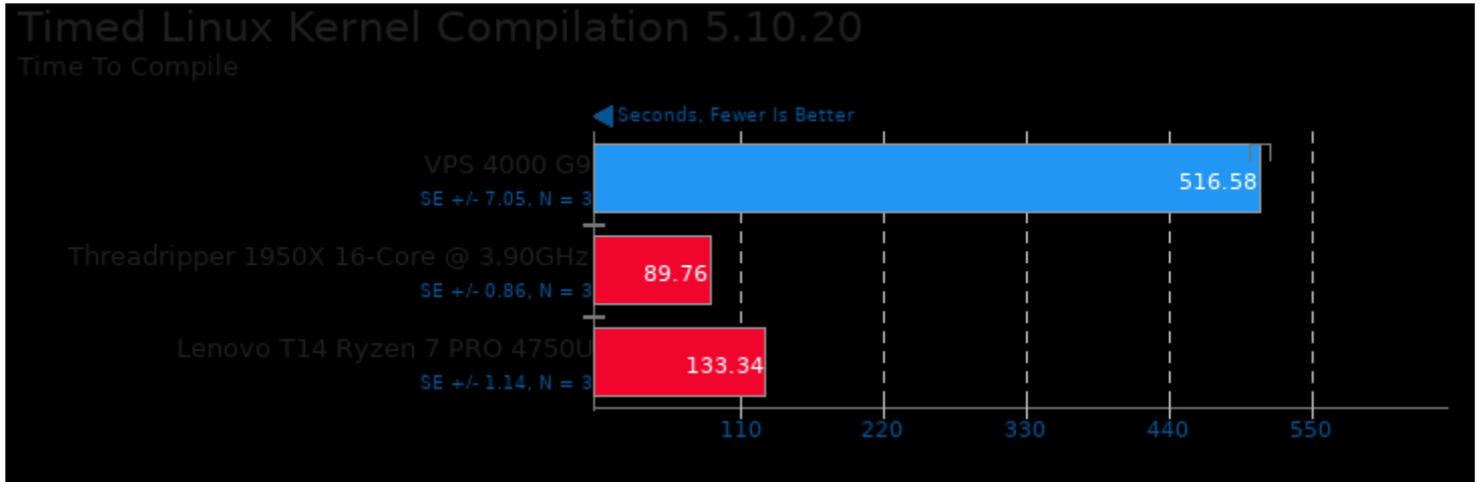
Kernel Notes: amdgpu.dpm=1 amdgpu.bapm=1 amdgpu.abmlevel=0 amdgpu.ppfeaturemask=0xffffffff - Transparent Huge Pages: always

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: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8600106

Security Notes: itlb_multihit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swaggs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx_async_abort: Not affected

	VPS 4000 G9	Threadripper 1950X 16-Core @ 3.90GHz	Lenovo T14 Ryzen 7 PRO 4750U
Timed Linux Kernel Compilation - Time To Compile (sec)	516.576	89.758	133.340
Normalized	17.38%	100%	67.32%
Standard Deviation	2.4%	1.7%	1.5%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:31.