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Test Systems:

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2 x Intel Xeon Gold 6128 - MSI NVIDIA GeForce RTX

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Processor: 2 x Intel Xeon Gold 6128 @ 3.70GHz (12 Cores / 24 Threads), Motherboard: Dell Precision 7920 Tower [060K5C] (2.26.1 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 4 x 32 GB DDR4-2666MT/s Micron 36ASF4G72PZ-3G2J3, Disk: 2000GB TOSHIBA DT01ACA2, Graphics: MSI NVIDIA GeForce RTX 2080 Ti Rev. A 11GB, Audio: Realtek ALC3234, Network: Intel I219-LM + Intel I210

OS: CentOS Linux 7, Kernel: 3.10.0-1160.76.1.el7.x86_64 (x86_64), Display Driver: NVIDIA, Compiler: GCC 4.8.5 20150623, File-System: xfs, Screen Resolution: 1680x1050

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,java,fortran,ada,go,lto --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=x86-64 --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0x2006d05
Security Notes: SELinux + itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of Load fences usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full retpoline IBPB + srbds: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT vulnerable

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