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build-kernel-whitetip

Intel Core i7-5930K testing with a ASRock X99 Extreme4/3.1 (P3.60 BIOS) and EFI VGA on NixOS 19.09.1936.e6391b4389e via the Phoronix Test Suite.

Test Systems:

Intel Core i7-5500U

Processor: Intel Core i7-5500U @ 3.00GHz (2 Cores / 4 Threads), Motherboard: Intel WhiteTip Mountain1 Fab2 (5.6.5 BIOS), Chipset: Intel Broadwell-U-OPI, Memory: 8192MB, Disk: 500GB Samsung SSD 850, Graphics: Intel HD 5500 3GB (950MHz), Audio: Intel Broadwell-U Audio, Network: Realtek RTL8111/8168/8411 + Intel 3160

OS: NixOS 19.09.1019.c5aabb0d603, Kernel: 4.19.81 (x86_64), Desktop: GNOME, Display Server: X Server 1.18.4 + Wayland, Display Driver: intel 2.99.917, OpenGL: 4.5 Mesa 19.1.5, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1920x1080

```
Environment      Notes:      NIX_CFLAGS_COMPILE=-isystem      /nix/store/1s0qw849q256q4jr2p27n674ka121mi0-openssl-1.1.1d-dev/      lude-isystem
/nix/store/7qb7ahlqk3q1vci3iyal5bj8fdj0yp-libelf-0.8.13/  lude  configureFlags=  NIX_LDFLAGS=-rpath  /nix/store/7vcixdl2969ssr2b7gyqmks1lfzmnjyz-shell/lib64-rpath
/nix/store/7vcixdl2969ssr2b7gyqmks1lfzmnjyz-shell/lib-L/nix/store/0425y1vs6f9ndqw0b8whkpliin1ccy-openssl-1.1.1d/lib-L/nix/store/7qb7ahlqk3q1vci3iyal5bj8fdj0yp-libelf
```

-0.8.13/lib-L/nix/store/0425y1vs6f9jndqw0b8whkpliqn1ccy-openssl-1.1.1d/lib-L/nix/store/i7qb7ahlqk3q1vci3yiay5bj8fdj0yp-libelf-0.8.13/lib

Processor Notes: Scaling Governor: intel_pstate powersave

Security Notes: l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling

Intel Core i7-5930K

Processor: Intel Core i7-5930K @ 3.70GHz (6 Cores / 12 Threads), Motherboard: ASRock X99 Extreme4/3.1 (P3.60 BIOS), Memory: 32768MB, Disk: 2 x 1000GB Samsung SSD 970 EVO Plus 1TB + 3 x 4001GB Western Digital WD40EFRX-68N + 2 x 2000GB SAMSUNG HD204UI + 4001GB Western Digital WD40EFRX-68W + 4001GB Expansion + 4001GB My Passport 25E2, Graphics: EFI VGA, Audio: Realtek ALC1150

OS: NixOS 19.09.1936.e6391b4389e, Kernel: 4.19.97 (x86_64), Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 800x600

Environment Notes: NIX_CFLAGS_COMPILE=-isystem /nix/store/2v45sw2109m2c7xzld4gc8g5bvjzybc4-openssl-1.1.1d-dev/ lude-isystem /nix/store/3rr5n6g5m5r1d3abcmyz0pxwzxbajai-libelf-0.8.13/ /nix/store/ywzc4az7w1rpq2s3czkljv7sncqnp402-flex-2.6.4/ lude configureFlags= NIX_LDFLAGS=-rpath /nix/store/264663z3zyq750laxn5sbl9wd4saic8h-shell/lib64-rpath

/nix/store/264663z3zyq750laxn5sbl9wd4saic8h-shell/lib-L/nix/store/z9vsvml45kjdf7j9h0vlxjya6yxgc0-openssl-1.1.1d/lib-L/nix/store/3rr5n6g5m5r1d3abcmyz0pxwzxbajai-libelf-0.8.13/lib-L/nix/store/zd8jjp4bh491akf9w8kknarljcq56d4-bison-3.4.2/lib-L/nix/store/ywzc4az7w1rpq2s3czkljv7sncqnp402-flex-2.6.4/lib-L/nix/store/z9vsvml45kjdf7j9h0vlxjya6yxgc0-openssl-1.1.1d/lib-L/nix/store/3rr5n6g5m5r1d3abcmyz0pxwzxbajai-libelf-0.8.13/lib-L/nix/store/zd8jjp4bh491akf9w8kknarljcq56d4-bison-3.4.2/lib-L/nix/store/ywzc4az7w1rpq2s3czkljv7sncqnp402-flex-2.6.4/lib

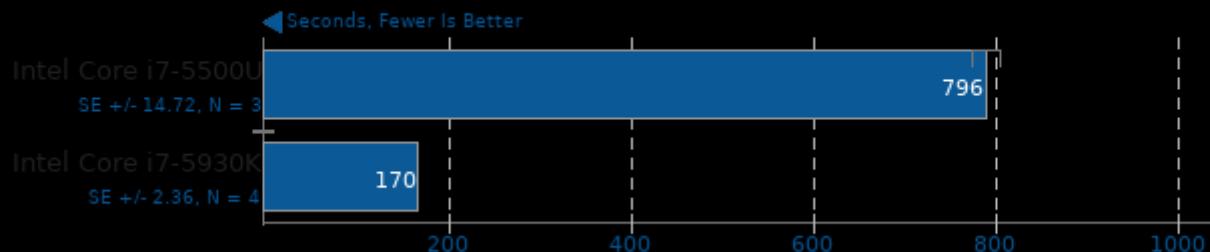
Processor Notes: Scaling Governor: intel_pstate powersave

Security Notes: 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 + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + tsx_async_abort: Not affected

	Intel Core i7-5500U	Intel Core i7-5930K
Timed Linux Kernel Compilation - Time To Compile	796	170
Normalized	21.36%	100%
Standard Deviation	3.2%	2.8%

Timed Linux Kernel Compilation 5.4

Time To Compile



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 08:32.