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dev01-compilebench

VMware testing on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

xfs passthru raid0 2x Hynix

Processor: 2 x Intel Xeon Gold 6258R (112 Cores), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 474GB, Disk: 2 x SK hynix PC401 NVMe 512GB + 4 x 2000GB Samsung SSD 980 PRO 2TB + 172GB Virtual disk, Graphics: VMware SVGA II, Network: VMware VMXNET3

OS: Ubuntu 20.04, Kernel: 5.11.0-34-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0 + Clang 10.0.0-4ubuntu1, File-System: xfs, Screen Resolution: 1176x885, System Layer: VMware

Kernel Notes: Transparent Huge Pages: madvise

Disk Notes: NONE / attr2,inode64,logbsize=32k,logbufs=8,noatime,noquota,rw,sunit=64,swidth=128 / raid0 nvme1n1p1[1] nvme0n1p1[0] Block Size: 4096

Processor Notes: CPU Microcode: 0x5003005

Python Notes: Python 3.8.10

Security Notes: i1lb_multihit: KVM: Mitigation of VMX unsupported + 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 Enhanced IBRS IPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

zfs passthru raidz1 4x 980 dedup+lz4

zfs passthru raidz1 4x 980

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Kernel Notes: Transparent Huge Pages: madvise

Processor Notes: CPU Microcode: 0x5003005

Disk Scheduler Notes: NONE

Python Notes: Python 3.8.10

Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + 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 Enhanced IBRS IPBPs: conditional RSB filling + srbs: Not affected + tsx_async_abort: Not affected

xfs passthru raid0 4x 980

xfs passthru raid5 4x 980

Processor: 2 x Intel Xeon Gold 6258R (112 Cores), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 474GB, Disk: 2 x SK hynix PC401 NVMe 512GB + 4 x 2000GB Samsung SSD 980 PRO 2TB + 172GB Virtual disk, Graphics: VMware SVGA II, Network: VMware VMXNET3

OS: Ubuntu 20.04, Kernel: 5.11.0-34-generic (x86_64), Vulkan: 1.0.2, Compiler: GCC 9.3.0 + Clang 10.0.0-4ubuntu1, File-System: xfs, Screen Resolution: 1176x885, System Layer: VMware

Kernel Notes: Transparent Huge Pages: madvise

Disk Notes: NONE / attr2,inode64,logbsize=32k,logbufs=8,noatime,noquota,rw,sunit=1024,swidth=3072 / raid5 nvme4n1[3] nvme5n1[2] nvme2n1[1] nvme3n1[0] Block Size: 4096

Processor Notes: CPU Microcode: 0x5003005

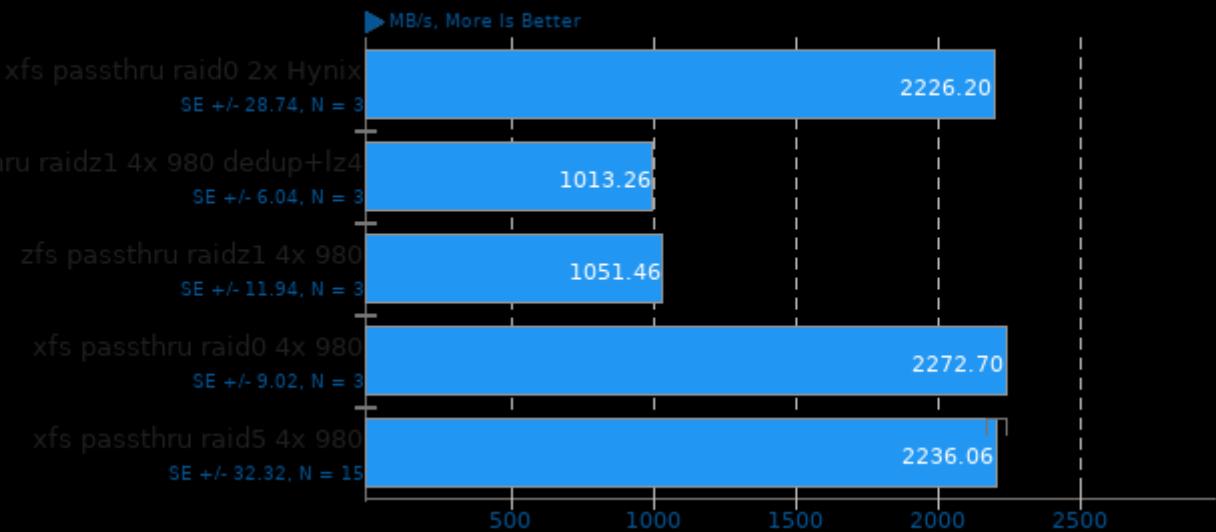
Python Notes: Python 3.8.10

Security Notes: itlb_multihit: KVM: Mitigation of VMX unsupported + 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 Enhanced IBRS IPBPs: conditional RSB filling + srbs: Not affected + tsx_async_abort: Not affected

	xfs passthru raid0 2x Hynix	zfs passthru raidz1 4x 980	zfs passthru raidz1 4x 980 dedup+lz4	xfs passthru raid0 4x 980	xfs passthru raid5 4x 980
Compile Bench - Compile (MB/s)	2226	1013	1051	2273	2236
Normalized	97.95%	44.58%	46.26%	100%	98.39%
Standard Deviation	2.2%	1%	2%	0.7%	5.6%
Compile Bench - Initial Create (MB/s)	483.19	236.04	218.75	478.85	479.02
Normalized	100%	48.85%	45.27%	99.1%	99.14%
Standard Deviation	0.4%	1.9%	0.9%	0.5%	0.9%
Compile Bench - Read Compiled Tree (MB/s)	2445	1153	1197	2499	2443
Normalized	97.85%	46.14%	47.9%	100%	97.77%
Standard Deviation	3.2%	2.4%	0.9%	3.9%	10%

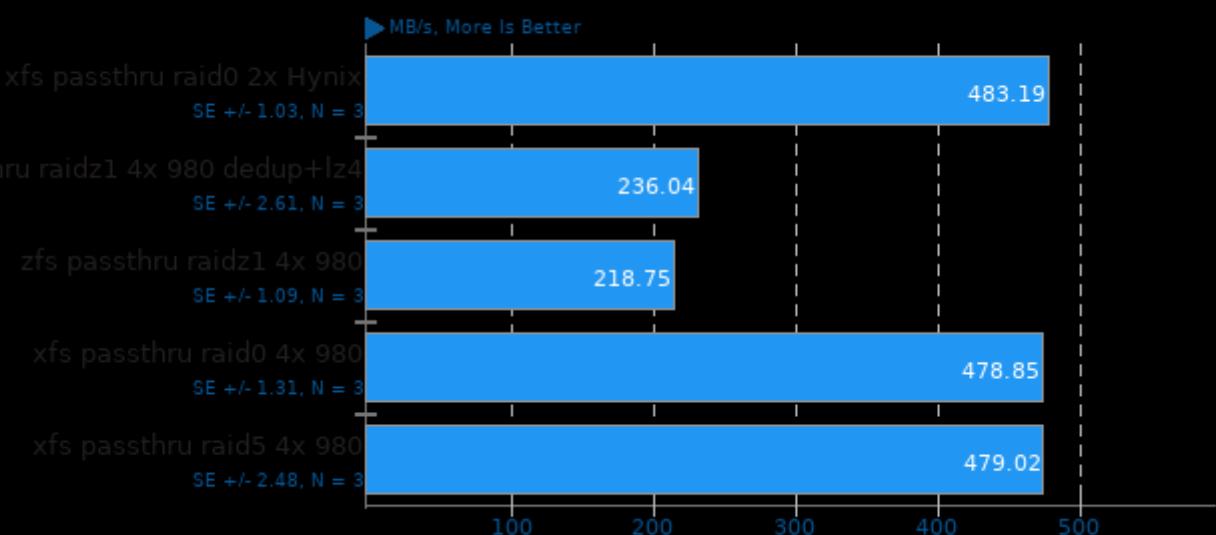
Compile Bench 0.6

Test: Compile



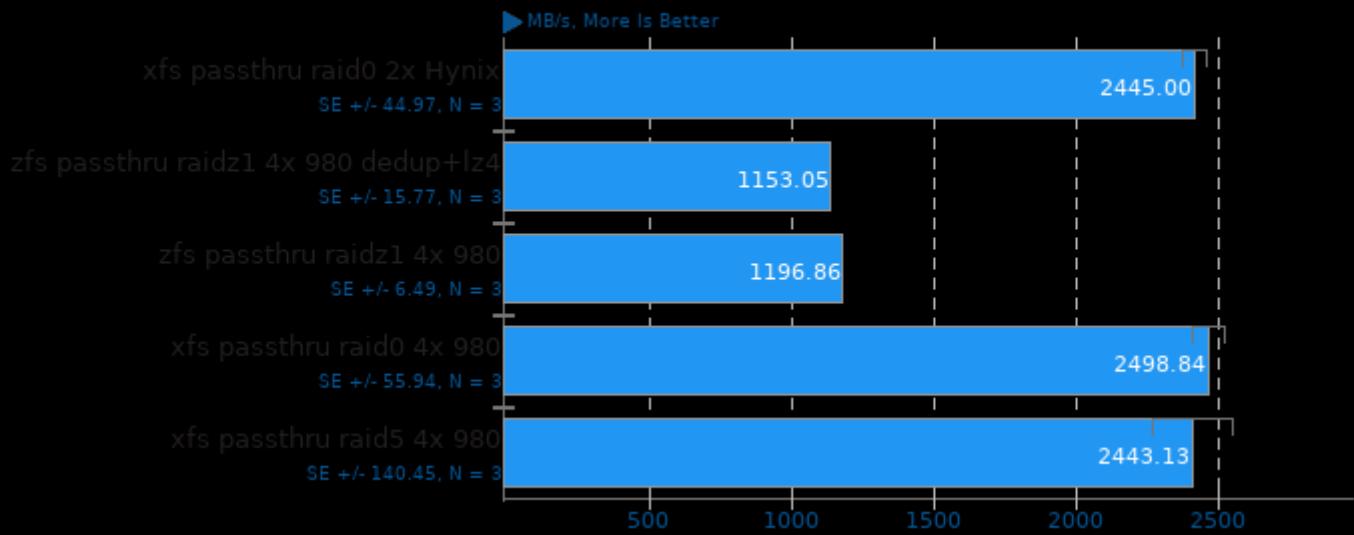
Compile Bench 0.6

Test: Initial Create



Compile Bench 0.6

Test: Read Compiled Tree



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:02.