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# 211122

Intel Celeron N4000 testing with a ASUS E203MAH v1.0 (E203MAH.315 BIOS) and ASUS Intel UHD 600 3GB on Ubuntu 18.04 via the Phoronix Test Suite.

## Test Systems:

### ebizzy-run1

### ebizzy-run2

### ebizzy-run3

Processor: Intel Celeron N4000 @ 2.60GHz (2 Cores), Motherboard: ASUS E203MAH v1.0 (E203MAH.315 BIOS), Chipset: Intel Gemini Lake, Memory: 4096MB, Disk: 500GB TOSHIBA MQ01ABF0, Graphics: ASUS Intel UHD 600 3GB (650MHz), Audio: Realtek ALC256, Network: Intel Gemini Lake PCH CNVi WiFi

OS: Ubuntu 18.04, Kernel: 5.4.0-124-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, OpenGL: 4.6 Mesa 20.0.8, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1366x768

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Kernel Notes: Transparent Huge Pages: madvise
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
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw / Block Size: 4096
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x32 - Thermald 1.7
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Mitigation of PTI + mmio_stale_data: 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 IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

| | ebizzy-run1 | ebizzy-run2 | ebizzy-run3 |
|---|---|---|---|
| **IOzone - 4Kb - 512MB - Write Performance (MB/s)** | 87.05 | | |
| **Standard Deviation** | 1% | | |
| **IOzone - 4Kb - 512MB - Read Performance (MB/s)** | 1187 | | |
| **Standard Deviation** | 2.9% | | |
| **perf-bench - Sched Pipe (ops/sec)** | 46203 | | |
| **Standard Deviation** | 1.1% | | |
| **pmbench - 1 - 100% Writes (us - Page** | 0.0480 | | |
| **Standard Deviation** | 1.6% | | |
| **MBW - Memory Copy - 128 MiB (MiB/s)** | 5004 | | |
| **Standard Deviation** | 0.2% | | |
| **Sysbench - CPU (Events/sec)** | 2965 | | |
| **Standard Deviation** | 1.9% | | |
| **PHPBench - P.B.S (Score)** | 267622 | | |
| **Standard Deviation** | 0.3% | | |
| **Mlpack Benchmark - scikit_svm (sec)** | 31.64 | | |
| **Standard Deviation** | 0.6% | | |
| **Selenium - ARES-6 - Google Chrome (ms)** | 44.49 | | |
| **Standard Deviation** | 0.7% | | |
| **PyBench - T.F.A.T.T (Milliseconds)** | 2437 | | |
| **Standard Deviation** | 0.3% | | |
| **Threaded I/O Tester - Rand Read - 32MB - 4 (MB/s)** | 517.434 | | |
| **Standard Deviation** | 39.6% | | |
| **Threaded I/O Tester - Write - 32MB - 4 (MB/s)** | **0.113** | | **0.088** |
| **Normalized** | 100% | | 77.88% |
| **Standard Deviation** | 1.8% | | 36.1% |
| **Threaded I/O Tester - Read - 32MB - 4 (MB/s)** | 528.447 | | |
| **Standard Deviation** | 39.5% | | |

## IOzone 3.465

Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance




1. (CC) gcc options: -O3

## IOzone 3.465

Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance




1. (CC) gcc options: -O3

## perf-bench

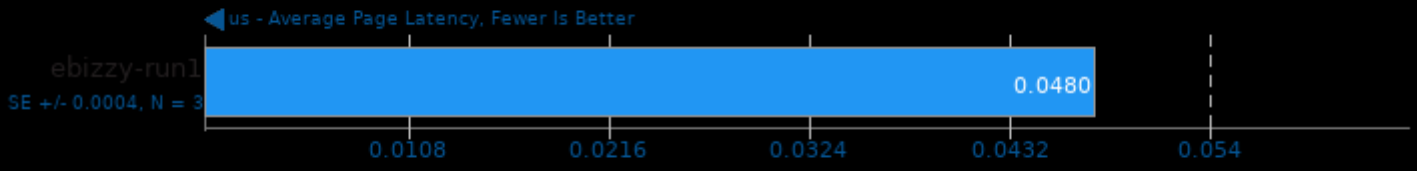
Benchmark: Sched Pipe




1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -export-dynamic -lpthread -lrt -lm -ldl -lcrypto -lperl -lc -lcrypt -lpython2.7 -lutil -lz -l

## pmbench

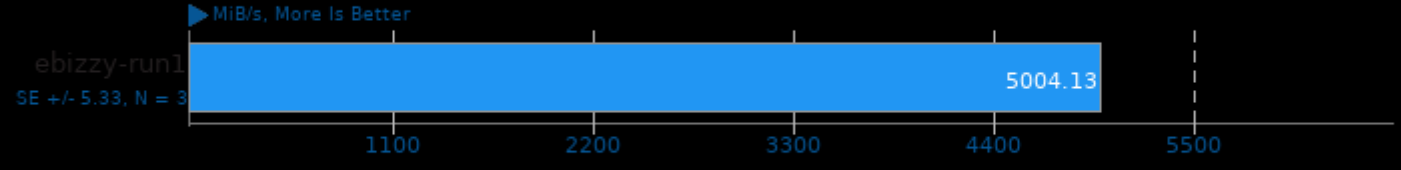
Concurrent Worker Threads: 1 - Read-Write Ratio: 100% Writes




1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

## MBW 2018-09-08

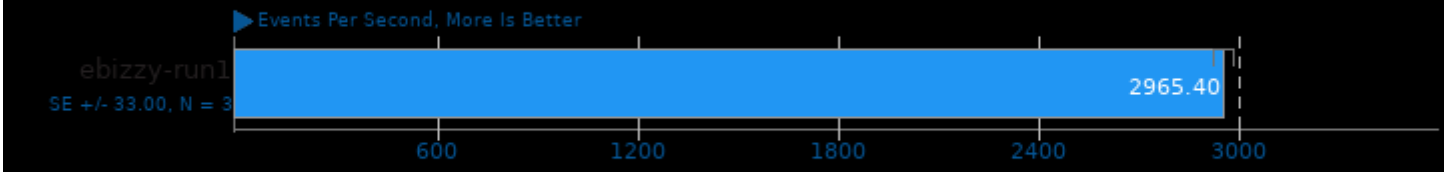
Test: Memory Copy - Array Size: 128 MiB




1. (CC) gcc options: -O3 -march=native

## Sysbench 1.0.20

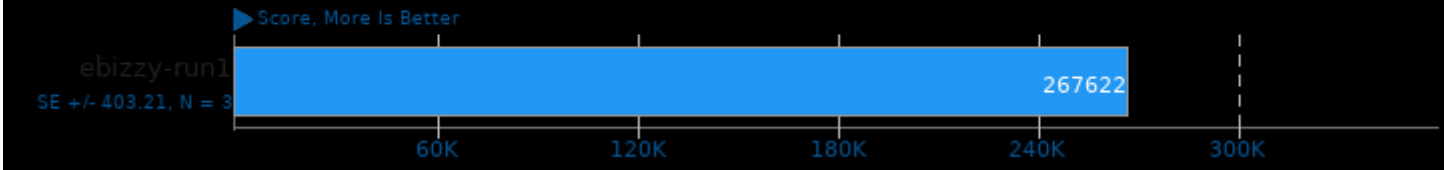
Test: CPU




1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

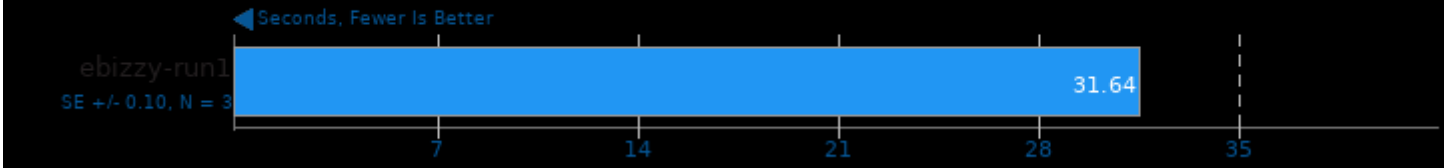
## PHPBench 0.8.1

PHP Benchmark Suite



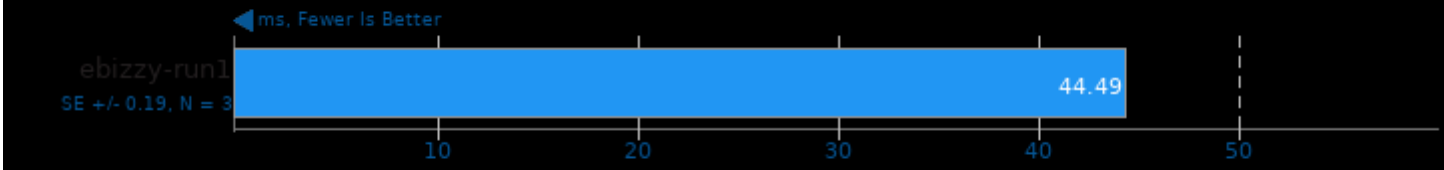

## Mlpack Benchmark

Benchmark: scikit_svm




## Selenium

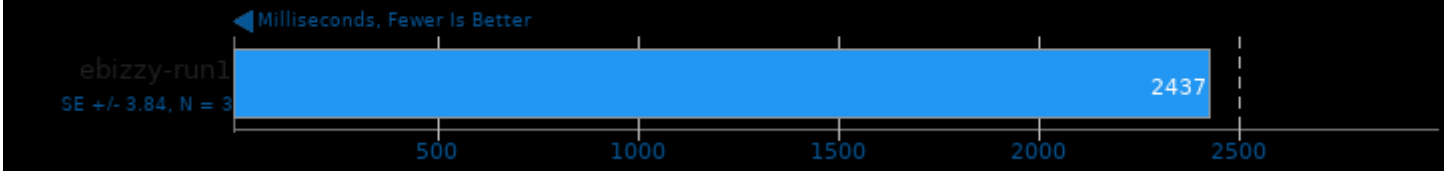
Benchmark: ARES-6 - Browser: Google Chrome

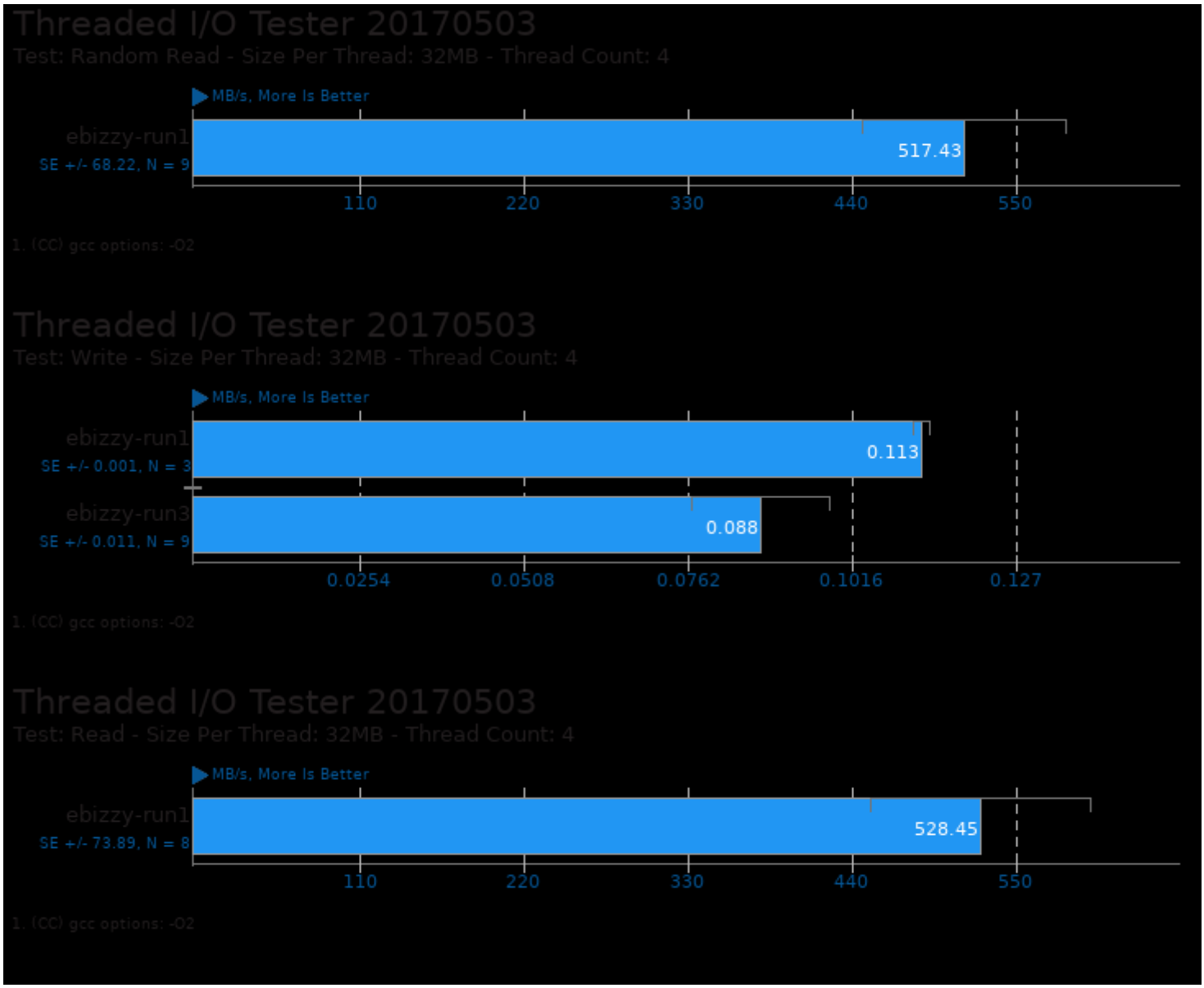



1. chrome 107.0.5304.110

## PyBench 2018-02-16

Total For Average Test Times






*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:46.*