



www.phoronix-test-suite.com

WinServer2016

Win10DockerForWindows

Automated Executive Summary

Win10DockerForWindows had the most wins, coming in first place for 75% of the tests.

Based on the geometric mean of all complete results, the fastest (Win10DockerForWindows) was 1.589x the speed of the slowest (WinServer2016).

Test Systems:

WinServer2016

Processor: Intel Core i3-8100 (2 Cores), Motherboard: Microsoft Virtual Machine (Hyper-V UEFI v1.0 BIOS), Memory: 4096MB, Disk: 64GB Virtual Disk

OS: Clear Linux OS 27600, Kernel: 4.9.125-linuxkit (x86_64), Compiler: GCC 8.2.1 20180502 + Clang 7.0.1 + LLVM

7.0.1, File-System: overlayfs, System Layer: container-other

Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --enable-__cxa_atexit --enable-bootstrap --enable-clocale-gnu --enable-gnu-indirect-function --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libstdcxx-pch --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-glibc-version=2.19 --with-gnu-ld --with-isl --with-ppl=yes --with-tune=haswell
 Security Notes: KPTI + __user pointer sanitization + Full generic retpoline + PTE Inversion

Win10DockerForWindows

Processor: Intel Core i3-8100 (2 Cores), Motherboard: Microsoft Virtual Machine (Hyper-V UEFI v3.0 BIOS), Memory: 4096MB, Disk: 64GB Virtual Disk

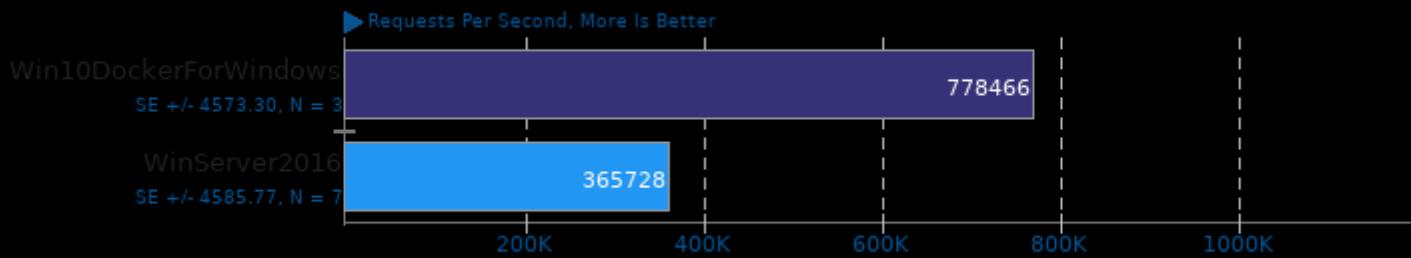
OS: Clear Linux OS 27600, Kernel: 4.9.125-linuxkit (x86_64), Compiler: GCC 8.2.1 20180502 + Clang 7.0.1 + LLVM
 7.0.1, File-System: overlayfs, System Layer: container-other

Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --enable-__cxa_atexit --enable-bootstrap --enable-clocale-gnu --enable-gnu-indirect-function --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libstdcxx-pch --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-glibc-version=2.19 --with-gnu-ld --with-isl --with-ppl=yes --with-tune=haswell
 Security Notes: KPTI + __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + PTE Inversion

	WinServer2016	Win10DockerForWindows
Redis - SET (Req/sec)	365728	778466
Normalized	46.98%	100%
Standard Deviation	3.3%	1%
PHPBench - P.B.S (Score)	592738	639847
Normalized	92.64%	100%
Standard Deviation	0.3%	0.2%
Redis - LPOP (Req/sec)	412044	745951
Normalized	55.24%	100%
Standard Deviation	3.3%	1%
Redis - LPUSH (Req/sec)	341998	757386
Normalized	45.16%	100%
Standard Deviation	1.3%	0.2%
Redis - SADD (Req/sec)	389867	828505
Normalized	47.06%	100%
Standard Deviation	0.4%	0.3%
Redis - GET (Req/sec)	408029	882875
Normalized	46.22%	100%
Standard Deviation	1.1%	0.2%
PHP Micro Benchmarks - Zend micro_bench (sec)	1.84	1.85
Normalized	100%	99.46%
Standard Deviation	0.9%	1.1%
PHP Micro Benchmarks - Zend bench (sec)	0.26	0.27
Normalized	100%	96.3%
Standard Deviation	0.4%	0.4%

Redis 4.0.8

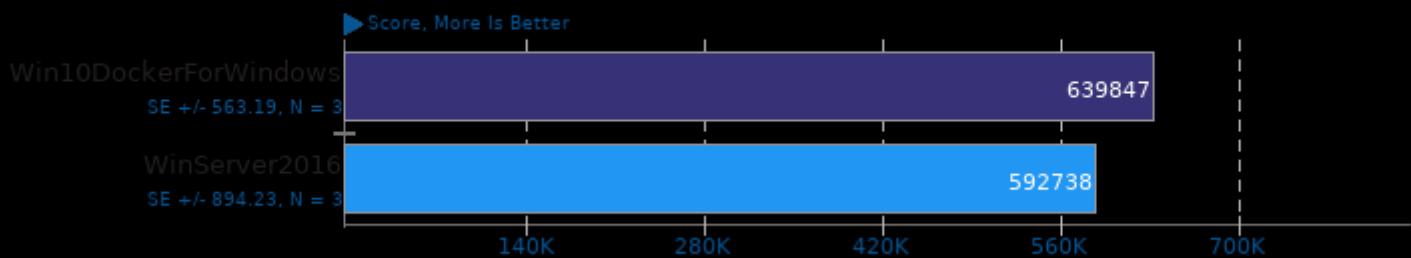
Test: SET



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread

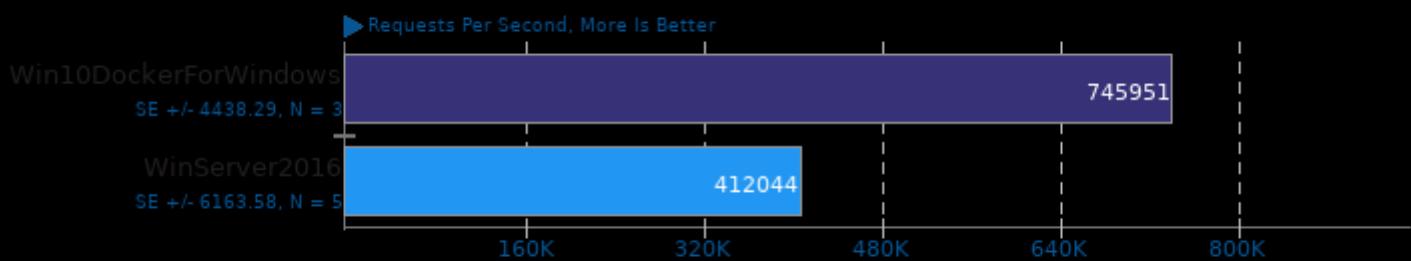
PHPBench 0.8.1

PHP Benchmark Suite



Redis 4.0.8

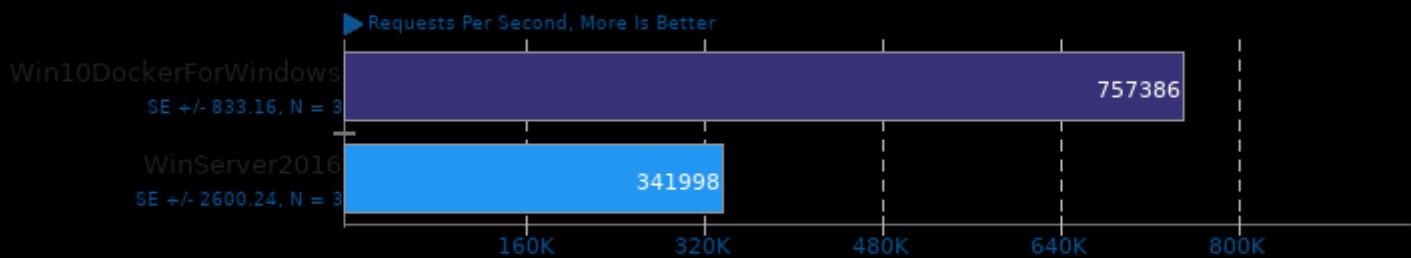
Test: LPOP



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread

Redis 4.0.8

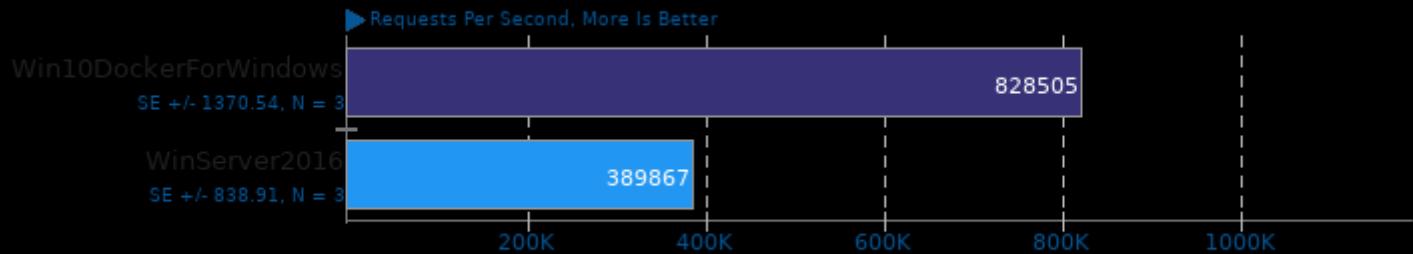
Test: LPUSH



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread

Redis 4.0.8

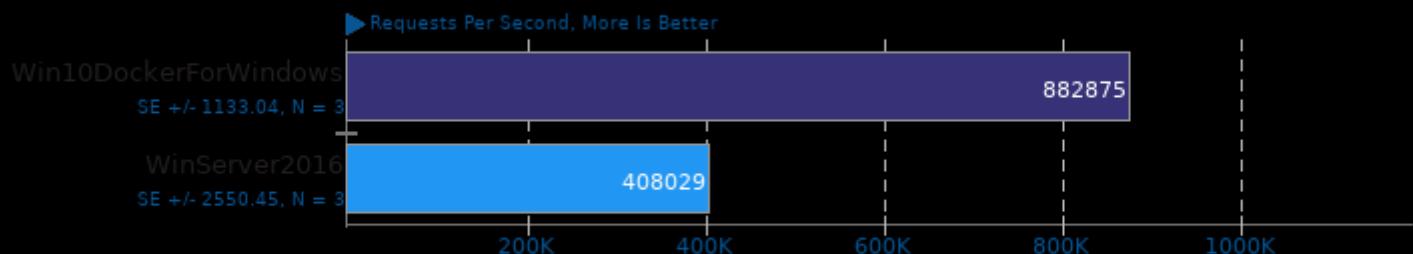
Test: SADD



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread

Redis 4.0.8

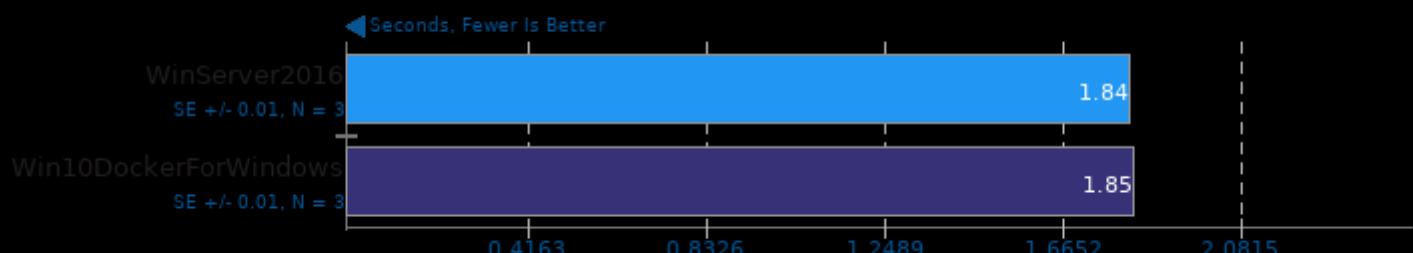
Test: GET



1. (CC) gcc options: -ggdb -rdynamic -lm -ldl -pthread

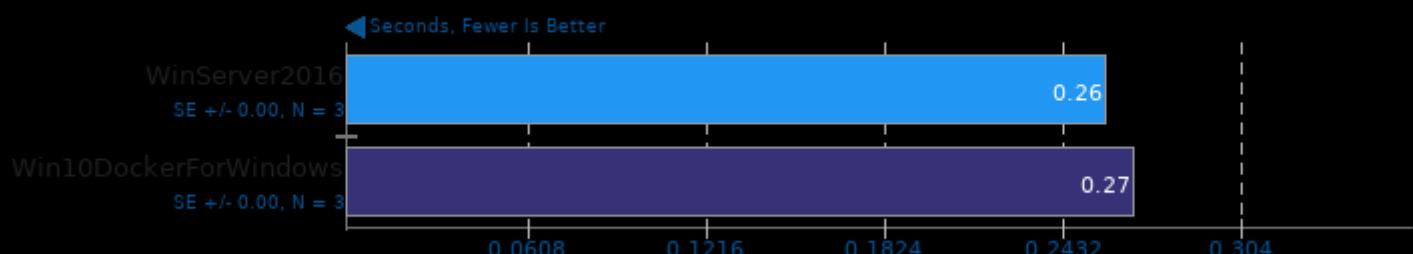
PHP Micro Benchmarks

Test: Zend micro_bench

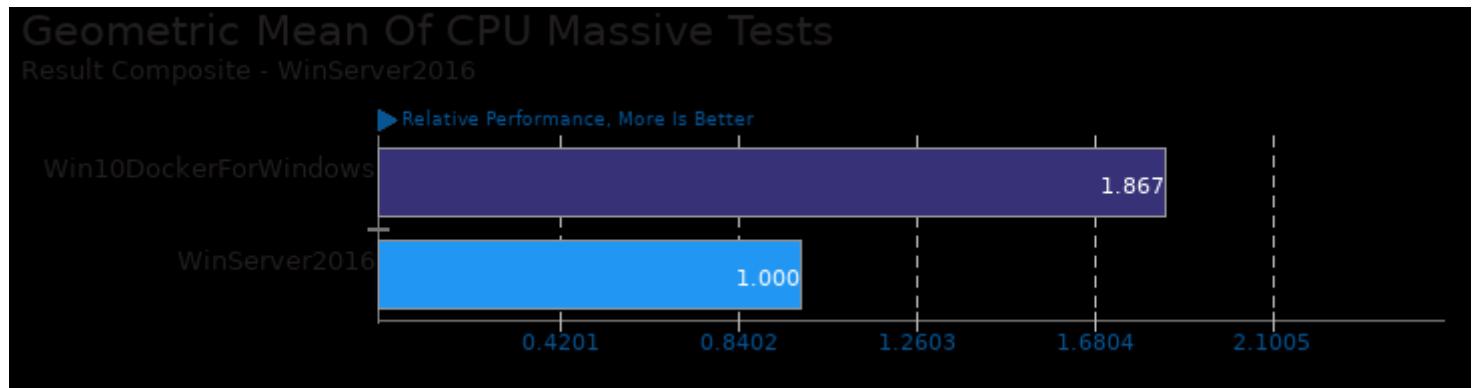


PHP Micro Benchmarks

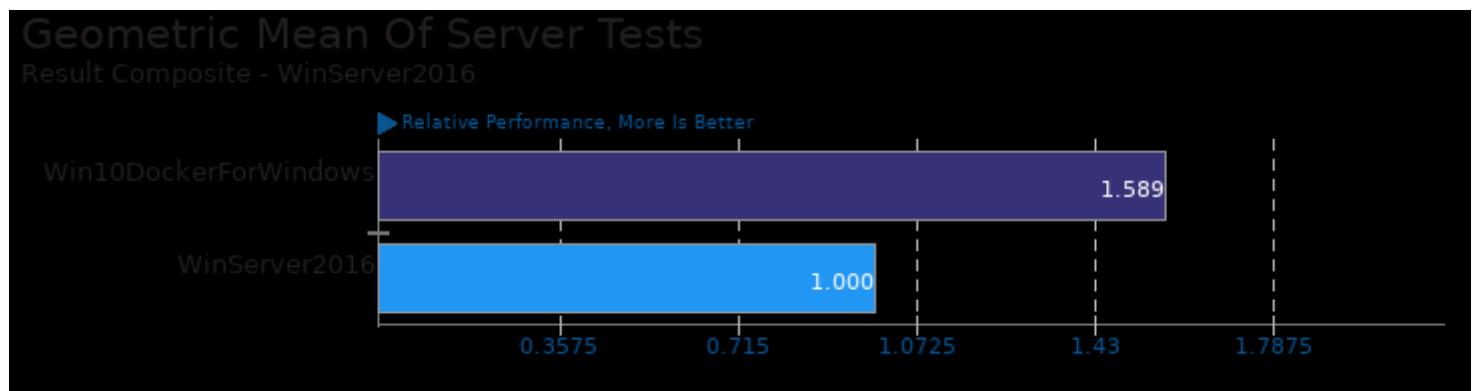
Test: Zend bench



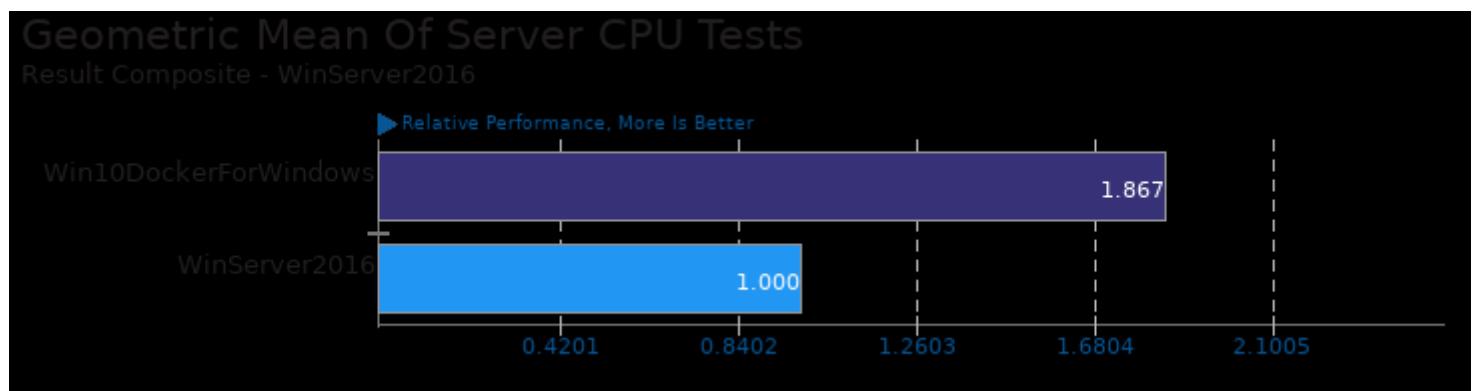
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/phpbench and pts/redis



Geometric mean based upon tests: pts/redis, pts/php and pts/phpbench



Geometric mean based upon tests: pts/redis and pts/phpbench

Geometric Mean Of Single-Threaded Tests

Result Composite - WinServer2016



Geometric mean based upon tests: pts/redis and pts/phpbench

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:39.