

Initial Benchmarks Of Microsoft's WSL2 - Windows Subsystem For Linux 2 On Windows 10 Is A Mixed Bag

By *Rianne Schestowitz*

Created *14/06/2019 - 4:25pm*

Submitted by Rianne Schestowitz on Friday 14th of June 2019 04:25:54 PM Filed under [Graphics/Benchmarks](#) [1]

Since the release of WSL2 as a Windows 10 Insider Preview update this week, we've been putting the new Windows Subsystem for Linux 2 under some benchmarks compared to WSL1 and bare metal Linux. While WSL2 has improved the I/O performance thanks to the new Hyper-V-based virtualization approach employed by WSL2, the performance has regressed in other areas for running Linux binaries on Windows 10. Here are our preliminary benchmark results.

In this comparison is a look at the Windows 10 WSL1 performance against that of the new WSL2 when using the same Windows 10 Insiders build as of this week that introduced the Windows Subsystem for Linux 2 support. The Ubuntu 18.04 LTS WSL instance was used for testing with its default packages. In addition to looking at the WSL1 vs. WSL2 performance of Ubuntu 18.04, Ubuntu 18.04.2 LTS itself was also tested bare metal on the same system for looking at the raw performance of Ubuntu on the Intel desktop being tested. Additionally, Clear Linux 29920 was also tested for what has largely become a "gold standard" for Linux performance in showing what Intel systems are capable of achieving performance-wise under Linux, so that is being used in this comparison as a reference point.

[2]

Source URL: <http://www.tuxmachines.org/node/124881>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/148>

[2] <http://www.phoronix.com/vr.php?view=27978>