DragonFlyBSD lead developer Matthew Dillon has been working on a big VM rework in the name of performance and other kernel improvements recently. Here is a look at how those DragonFlyBSD 5.5-DEVELOPMENT improvements are paying off compared to DragonFlyBSD 5.4 as well as FreeBSD 12 and five Linux distribution releases. With Dillon using an AMD Ryzen Threadripper system, we used that too for this round of BSD vs. Linux performance benchmarks.

The work by Dillon on the VM overhaul and other changes (including more HAMMER2 file-system work) will ultimately culminate with the DragonFlyBSD 5.6 release (well, unless he opts for DragonFlyBSD 6.0 or so). These are benchmarks of the latest DragonFlyBSD 5.5-DEVELOPMENT daily ISO as of this week benchmarked across DragonFlyBSD 5.4.3 stable, FreeBSD 12.0, Ubuntu 19.04, Red Hat Enterprise Linux 8.0, Debian 9.9, Debian Buster, and CentOS 7 1810 as a wide variety of reference points both from newer and older Linux distributions. (As for no Clear Linux reference point for a speedy reference point, it currently has a regression with AMD + Samsung NVMe SSD support on some hardware, including this box, prohibiting the drive from coming up due to a presumed power management issue that is still being resolved.)
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