FreeBSD ZFS vs. ZoL Performance, Ubuntu ZFS On Linux Reference

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With iX Systems having released new images of FreeBSD reworked with their ZFS On Linux code that is in development to ultimately replace their existing FreeBSD ZFS support derived from the code originally found in the Illumos source tree, here are some fresh benchmarks looking at the FreeBSD 12 performance of ZFS vs. ZoL vs. UFS and compared to Ubuntu Linux on the same system with EXT4 and ZFS.

Using an Intel Xeon E3-1275 v6 with ASUS P10S-M WS motherboard, 2 x 8GB DDR4-2400 ECC UDIMMs, and Samsung 970 EVO Plus 500GB NVMe solid-state drive was used for all of this round of testing. Just a single modern NVMe SSD was used for this round of ZFS testing while as the FreeBSD ZoL code matures I’ll test on multiple systems using a more diverse range of storage devices.
Links: