

HPSS Core Servers on Commodity Hardware or: How We Learned to Love Databases on ZFS

Wednesday, September 11, 2024 3:05 PM (45 minutes)

At LLNL we have been using commodity hardware more and more to serve our parallel filesystems and archival storage clusters. We wanted to explore how to use this same hardware for our HPSS Core Server systems. In order to make the system as reliable as possible, ZFS emerged as the underlying filesystem we wanted to utilize for its reliability and other advanced features. How would traditional databases perform on top of ZFS? Could we design a production-worthy system using this hardware?

Timeslot

45 min

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