

# T2 Experiences Scaling EOS: Capacity and Performance Observations

*Monday, 5 February 2018 16:45 (20 minutes)*

During the last two years Oak Ridge National Laboratory (ORNL) has administered the ORNL::EOS T2 site which has seen two storage capacity expansions with installed capacity increasing from 1PB to 2.5PB. As utilization and capacity have grown observations on the performance impact of underlying storage architecture, RAID size, filesystem design decisions, and performance tunings have been evaluated. While deploying the latest 1PB expansion performance tests iterated through different storage layouts to identify performance effects and help identify a more optimized storage configuration to meet EOS demands. Will will share observations and the evolution of their effects on deploying new capacity.

**Primary authors:** EBY, Pete (Oak Ridge National Laboratory - (US)); GALLOWAY, Michael Dean (Oak Ridge National Laboratory - (US))

**Presenter:** EBY, Pete (Oak Ridge National Laboratory - (US))

**Session Classification:** Using EOS