

HEPiX Fall 2013 Workshop



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PDSF at NERSC - Site Report HEPiX Fall 2013

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PDSF (Parallel Distributed Systems Facility) has been in continuous operation at NERSC since 1996 on dedicated and ever changing hardware, supporting a broad user base in the high energy physics community. We will describe recent and ongoing changes in the underlying architecture of PDSF. We are moving to a model where the PDSF cluster will consist of dedicated front end servers and a set of compute nodes drawn from a backend cluster, unified by a batch system. User storage will be migrated from a dedicated GPFS cluster to a site wide NERSC Global File system, facilitating the use of other NERSC clusters which have a faster and lower latency interconnect for parallel jobs. These changes should help minimize downtime when the cluster is moved to a new building at Lawrence Berkeley Laboratory in 2014/15.

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