

PDSF Site Report

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PDSF is a networked distributed computing cluster designed primarily to meet the detector simulation and data analysis requirements of Physics, Astrophysics and Nuclear Science collaborations. Located at NERSC and benefiting from excellent network and storage infrastructure cluster constantly changes to keep up with computing requirements of physics experiments like ATLAS, Alice and Daya Bay. Over the past year - as it is usual to us - we replaced a big fraction of hardware (both computing and storage), moved towards diskless installs with xCAT and were deploying and supporting in addition to GPFS, also XRootD and CVMFS. We also considered migrating to a new batch system and we are going to share our motivation behind the decision to continue with the Univa Grid Engine.

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