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## PDSF - Current Status and Migration to Cori

*Wednesday 10 October 2018 16:55 (20 minutes)*

PDSF, the Parallel Distributed Systems Facility, has been in continuous operation since 1996 serving high-energy and nuclear physics research. It is currently a tier-1 site for STAR, a tier-2 site for ALICE, and a tier-3 site for ATLAS. We are in the process of migrating the PDSF workload from the existing commodity cluster to the Cori Cray XC40 system. Docker containers enable running the PDSF software stack on different hardware and OS. We will discuss challenges of using highly scalable Cori resources when thousands of user jobs can start within a second and easily saturate IO resources, CVMFS, or external database connectivity.

### Desired length

15

**Author:** BALEWSKI, Jan (Lawrence Berkeley National Lab. (US))

**Co-authors:** RATH, Georg (Lawrence Berkeley National Laboratory); PORTER, Jeff (Lawrence Berkeley National Lab. (US)); LEE, Rei (Lawrence Berkeley National Laboratory); QUAN, Tony (LBL)

**Presenter:** BALEWSKI, Jan (Lawrence Berkeley National Lab. (US))

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