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PDSF@NERSC Status Report

Tuesday 16 April 2013 09:00 (15 minutes)

PDSF is a linux cluster supporting high energy and nuclear physics workloads at NERSC. The cluster has been in continues operation since 1998 and this lifespan brings interesting challenges to the procurement/retirement cycle. At this time the cluster covers needs of STAR Tier1 center (mostly simulations and analysis needs), Alice Tier2 (striving for Tier 1 status) and Tier3 for Atlas.

In this presentation we will cover changes since the last report, details of our latest procurements and approaches taken to minimize

the maintenance burden and conform to center-wide standards in deployment and configuration management (xcat, cfengine3).

The anticipated move of the center into a new building in the Spring of 2015 will also be discussed.

Summary

Presentation covers changes in the cluster structure and deployment and management procedures.

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