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The High Energy Physics Group at the University of Florida is involved in a variety of projects ranging from High Energy Experiments at hadron and electron positron colliders to cutting edge computer science experiments focused on grid computing. In support of these activities members of the Florida group have developed and deployed a local computational facility which consists of several service nodes, computational clusters and disk storage services. The resources contribute collectively or individually to a variety of production and development activities such as the UFlorida Tier2 center for the CMS experiment at the Large Hadron Collider (LHC), Monte Carlo production for the CDF experiment at Fermi Lab, the CLEO experiment, and research on grid computing for the GriPhyN and iVDGL projects. The entire collection of servers, clusters and storage services is managed as a single facility using the ROCKS cluster management system. Managing the facility as a single centrally managed system enhances our ability to relocate and reconfigure the resources as necessary in support of both research and production activities. In this paper we describe the architecture deployed, including details on our local implementation of the ROCKS systems, how this simplifies the maintenance and administration of the facility and finally the advantages and disadvantages of using such a scheme to manage a modest size facility.

Authors: PRESCOTT, C. (UNIVERSITY OF FLORIDA); BOURILKOV, D. (UNIVERSITY OF FLORIDA); RODRIGUEZ, J. (UNIVERSITY OF FLORIDA); AVERY, P. (UNIVERSITY OF FLORIDA); CAVANAUGH, R. (UNIVERSITY OF FLORIDA); FU, Y. (UNIVERSITY OF FLORIDA)

Presenter: RODRIGUEZ, J. (UNIVERSITY OF FLORIDA)

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