



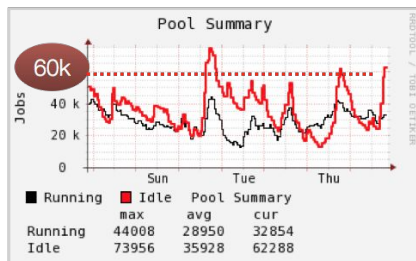
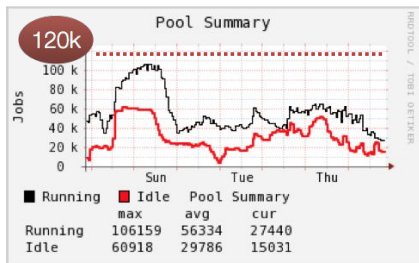
CMS Connect

CHEP 2016
Poster highlights

Kenyi Hurtado Anampa
University of Notre Dame

Motivation

- The Compact Muon Solenoid (CMS) is a multipurpose experiment collecting and analyzing data from proton-proton and heavy ion collisions at the Large Hadron Collider (LHC).
- From the computing point of view, this translates into tons of data and simulation processes that need to be handled. The Global Pool provides over 100 thousand globally distributed cores to the experiment.



CMS Detector

Global Pool resources running for production and analysis jobs.

CMS Connect

- CMS Connect is a service designed to provide Tier-3 Like capability to Institutions for non-CRAB workflow jobs using all resources coming from the CMS Global Pool.
 - It is based on the CI-Connect platform and the user interface makes it look like a large virtual cluster connecting to all grid-enabled CMS computing resources.
 - This poster describes the specific developments and deployment of CMS Connect beyond the CI-Connect platform in order to integrate the service with CMS specific needs, including specific Site submission, accounting of jobs and automated reporting to standard CMS monitoring resources in an effortless way to their users.