The 8th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2018)



Contribution ID: 274

Type: Sectional reports

The distributed grid site of Institute of Physics

Friday, 14 September 2018 11:00 (15 minutes)

The Computing Center of the Institute of Physics (IOP) of the Czech Academy of Sciences serves a broad spectrum of users with various computing needs. The Computing Center hosts a WLCG Tier-2 for ATLAS and ALICE experiments. There are also other supported experiments from astroparticle physics, namely Cherenkov Telescope Array and Pierre Auger Observatory. Center also supports OSG stack for the NOvA and DUNE experiments. Computing resources are also utilized by local users from IOP through HTCondor batch system. Hosted storage capacity is divided between grid services (DPM and XrootD) and locally accessible NFS storage. Computing resources are distributed among several locations in the Czech Republic.

This contribution will describe mentioned topics in more detail. It will also give insight in our experience with different classes of hardware and with different approaches of administration and monitoring of all services.

Primary author: Mr MIKULA, Alexandr (Institute of Physics of the Czech Academy of Sciences; CESNET)

Co-authors: Dr ADAMOVÁ, Dagmar (Nuclear Physics Institute of the Czech Academy of Sciences); Mrs UHLÍŘOVÁ, Jana (Institute of Physics of the Czech Academy of Sciences); Dr CHUDOBA, Jiří (Institute of Physics of the Czech Academy of Sciences); Mr ADAM, Martin (Institute of Physics of the Czech Academy of Sciences); Mr HORÁK, Petr (Institute of Physics of the Czech Academy of Sciences); Mr VOKÁČ, Petr (Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague)

Presenter: Mr MIKULA, Alexandr (Institute of Physics of the Czech Academy of Sciences; CESNET)

Session Classification: Technologies, Architectures, Models of Distributed Computing Systems

 $\textbf{Track Classification:} \ \ 1. \ \ \textbf{Technologies, architectures, models of distributed computing systems}$