Contribution ID: **43**   Type: **not specified**

The search for new traceability and isolation approaches

Wednesday, 26 April 2017 17:05 (25 minutes)

The multi-user pilot job (MUPJ) model has become deeply embedded in the LHC computing ecosystem. In this model, the *pilot* job sent to a site batch will dynamically pull down one or more user *payload* jobs as it is running at the site.

While providing the experiments with utmost flexibility, the MUPJ presents challenges in isolation (preventing payloads from interacting with the pilot) and traceability (helping the site understand who is utilizing their resources). The traditional approach to provide traceability and isolation has been to utilize glexec.

In this talk, we will provide an overview of the search for new technologies to fulfill the traceability and isolation requirements. We fill focus on work within the OSG to utilize singularity for isolation and the HTCondor-CE for traceability.

Length of talk (minutes)

20

Scheduling constraints / preferences

Primary author: BOCKELMAN, Brian Paul (University of Nebraska-Lincoln (US))

Presenter: BOCKELMAN, Brian Paul (University of Nebraska-Lincoln (US))

Session Classification: Computing and batch systems

Track Classification: Computing & Batch Services