Contribution ID: **333** Type: **Poster**

Automating ATLAS Computing Operations using the Site Status Board

Tuesday, 22 May 2012 13:30 (4h 45m)

The automation of operations is essential to reduce manpower costs and improve the reliability of the system. The Site Status Board (SSB) is a framework which allows Virtual Organizations to monitor their computing activities at distributed sites and to evaluate site performance.
The ATLAS experiment intensively uses SSB for the distributed computing shifts, for estimating data processing and data transfer efficiencies at a particular site, and for implementing automatic exclusion of sites from computing activities, in case of potential problems. ATLAS SSB provides a real-time aggregated monitoring view and keeps the history of the monitoring metrics. Based on this history, usability of a site from the perspective of ATLAS is calculated.
The presentation will describe how SSB is integrated in the ATLAS operations and computing infrastructure and will cover implementation details of the ATLAS SSB sensors and alarm system, based on the information in SSB. It will demonstrate the positive impact of the use of SSB on the overall performance of ATLAS computing activities and will overview future plans.

Primary author: ATLAS, Collaboration (Atlas)

Co-authors: DI GIROLAMO, Alessandro (CERN); BORREGO IGLESIAS, Carlos (IFAE); Mr MAGRADZE, Erekle (Georg-August-Universitaet Goettingen (DE)); STEWART, Graeme Andrew (CERN); SCHOVANCOVA, Jaroslava (Acad. of Sciences of the Czech Rep. (CZ)); ANDREEVA, Julia (CERN); RINALDI, Lorenzo (INFN CNAF); WRIGHT, Michael (Department of Physics and Astronomy-University of Glasgow); NOWOTKA, Michal Maciej (Warsaw University of Technology (PL)); SAIZ, Pablo (CERN); CAMPANA, Simone (CERN); GAYAZOV, Stavro (Budker Institute of Nuclear Physics (RU)); Dr ESPINAL CURULL, Xavier (Universitat Autònoma de Barcelona (ES))

Presenter: Mr MAGRADZE, Erekle (Georg-August-Universitaet Goettingen (DE))

Session Classification: Poster Session

Track Classification: Distributed Processing and Analysis on Grids and Clouds (track 3)