



Contribution ID: 516

Type: **Parallel**

AliEn: ALICE Environment on the GRID

Monday, May 21, 2012 1:30 PM (25 minutes)

AliEn is the GRID middleware used by the ALICE collaboration. It provides all the components that are needed to manage the distributed resources. AliEn is used for all the computing workflows of the experiment: Montecarlo production, data replication and reconstruction and organized or chaotic user analysis. Moreover, AliEn is also being used by other experiments like PANDA and CBM.

The main components of AliEn are a centralized file and metadata catalogue, a job execution model and file replication model. These three components have been evolving over the last 10 years to make sure that they satisfy the computing requirements of the experiment, which keep increasing every year.

Student? Enter 'yes'. See <http://goo.gl/MVv53>

no

Summary

This contribution will present the current status of the AliEn components, with special emphasis on the latest development, in particular data handling. We will also outline the future development plans.

Primary author: SAIZ, Pablo (CERN)

Co-authors: GRIGORAS, Alina Gabriela (CERN); MONTIEL GONZALEZ, Almudena Del Rocio (GSI - Gesellschaft fuer Schwerionenforschung (GSI)); ABRAMYAN, Armenuhi (Yerevan Physics Institute); GRIGORAS, Costin (CERN); GOYAL, Dushyant (LNM Institute of Information Technology (IN)); Mr CARMINATI, Federico (CERN); PORTER, Jeff (Lawrence Berkeley National Lab. (US)); ZHU, Jianlin (Central China Normal University (CN)); BETEV, Latchezar (CERN); MANUKYAN, Narine (A.I. Alikhanyan National Scientific Laboratory (AM)); Dr BAGNASCO, Stefano (I.N.F.N. TORINO); SCHREINER, Steffen (Technische Universitaet Darmstadt (DE)); BANERJEE, Subho Sankar (LNM Institute of Information Technology)

Presenter: SAIZ, Pablo (CERN)

Session Classification: Distributed Processing and Analysis on Grids and Clouds

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