Contribution ID: **60**   Type: **Poster**

AliEn File Access Monitoring Service (FAMoS)

Tuesday, 2 September 2014 08:00 (1 hour)

FAMoS leverages the information stored in the central AliEn file catalogue, which describes every file in a Unix-like directory structure, as well as metadata on file location and replicas. In addition, it uses the access information provided by a set of API servers, which are used by all Grid clients to access the catalogue. The main functions of FAMoS are to sort the file accesses by logical groups, access time, user and storage element. The collected data can identify rarely used groups of files, as well as those with high popularity over different time periods. This can be further used to optimize file distribution and replication factors, thus increasing the data processing efficiency.

This paper will describe in detail the FAMoS structure and user interface and will present the results obtained in one year of operation of the service.

Primary authors: ABRAMYAN, Armenuhi (A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation); MANUKYAN, Narine (A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation)

Co-authors: GRIGORYAN, Ara (A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation); GRIGORAS, Costin (CERN); BETEV, Latchezar (CERN); MARTINEZ PEDREIRA, Miguel (CERN); SAIZ, Pablo (CERN); BUNCIC, Predrag (CERN)

Presenters: ABRAMYAN, Armenuhi (A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation); MANUKYAN, Narine (A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation)

Session Classification: Poster session

Track Classification: Computing Technology for Physics Research