ACAT 2019



Contribution ID: 291

Type: Poster

ELisA: the ATLAS logbook facility extensions

Information concerning the operation, configuration and behaviour of the ATLAS experiment need to be reported, gathered and shared reliably with the whole ATLAS community which comprises over three thousand scientists geographically distributed all over the world. To provide such functionality, a logbook facility, Electronic Logbook for the information storage of ATLAS (ELisA), has been developed and actively used since the beginning of the LHC Run 2 period. The facility includes a user-friendly web interface to browse activity logs and to report on system operations with a configurable email notification system; a RESTful API used programmatically by other tools and services of the data acquisition infrastructure and a set of client API libraries and utilities to help user's interaction with the REST API.

Given its generic configuration capabilities, the ELisA facility has been recently deployed as a stand-alone logbook for other projects such as the commissioning of different sub-detectors and the offline assessment of data-quality. To ease this operation and to potentially extend ELisA usage to other projects, an extension of the database backend support is being implemented thus reducing one of the constraints (the ORACLE database) for the logbook deployment. Also, the deployment process of the logbook is being improved using containers for fast shipping and set up of all the necessary dependencies of the tool.

This contribution will present the status of the logbook facility as well as the extensions and improvements implemented to ease the logbook portability to other projects.

Author: CORSO RADU, Alina (University of California Irvine (US))
Presenter: CORSO RADU, Alina (University of California Irvine (US))
Session Classification: Poster Session

Track Classification: Track 1: Computing Technology for Physics Research