



Contribution ID: 233

Type: **Talk**

The Glance project common infrastructure dependencies upgrade from the ATLAS Glance perspective

Wednesday 23 October 2024 15:00 (18 minutes)

The Glance project provides software solutions for managing high-energy physics collaborations' data and workflow. It was started in 2003 and operates in the ALICE, AMBER, ATLAS, CMS, and LHCb CERN experiments on top of CERN common infrastructure. The project develops Web applications using PHP and Vue.js, running on CENTOS virtual machines hosted on the CERN OpenStack private cloud. These virtual machines are built via Puppet for installing and configuring core software while tailoring them to meet each experiment's requirements in a collaborative approach under the Glance Project. This approach minimizes redundant work across experiments while allowing cooperation when responding to operations incidents. In the scenario of the CENTOS 7 end-of-life, the Glance project has chosen to migrate to RHEL9 while undergoing a major upgrade of PHP from (7.3 or 7.4 to 8.2) across the experiments. This presentation will expose the technical and organizational challenges the Glance project faces on common dependencies upgrades from the perspective of the ATLAS Glance team.

Primary authors: LOUREIRO CRUZ, Ana Clara (Federal University of Rio de Janeiro (BR)); NIKLAUS MOREIRA DA ROCHA RODRIGUES, Carolina (Federal University of Rio de Janeiro (BR)); LEMOS LUCIDI PINHAO, Gabriela (LIP - Laboratorio de Instrumentação e Física Experimental de Partículas (PT)); MARINS, Leonardo Mira (Federal University of Rio de Janeiro (BR)); NERI FERREIRA, Luis Guilherme (Federal University of Rio de Janeiro (BR)); GOES AFONSO, Pedro Henrique (Federal University of Rio de Janeiro (BR)); ROMANO, Rafaella Lenzi (Federal University of Rio de Janeiro (BR))

Presenter: NERI FERREIRA, Luis Guilherme (Federal University of Rio de Janeiro (BR))

Session Classification: Parallel (Track 7)

Track Classification: Track 7 - Computing Infrastructure