Contribution ID: **86** Type: **presentation**

Evolution of HammerCloud to commission CERN Compute resources

Tuesday, 10 July 2018 11:30 (15 minutes)

HammerCloud is a testing service and framework to commission, run continuous tests or on-demand large-scale stress tests, and benchmark computing resources and components of various distributed systems with realistic full-chain experiment workflows.

HammerCloud, userd by the ATLAS and CMS experiments in production, has been a useful service to commission both compute resources and various components of the complex distributed systems of the LHC experiments, as well as integral part of the monitoring suite essential for the computing operations of the experiments and their automation.

In this contribution we review recent developments of the HammerCloud service that allow use of HammerCloud infrastructure to test Data Centre resources in the early phases of the infrastructure and services commissioning process. One of the benefits we believe HammerCloud can provide is to be able to tune the commissioning of the new infrastructure, functional and also stress testing, as well as benchmarking with a "standard candle" workflows, with experiment realistic workloads, that can be heavy for CPU, or I/O, or IOPS, or everything together. This extension of HammerCloud has been successfully used in CERN IT during prototype phase of the "BEER" Batch on EOS (Evaluation of Resources) project, and is being integrated with the continuous integration/continuous deployment suite for Batch service VMs.

Primary authors: SCHOVANCOVA, Jaroslava (CERN); FKIARAS, Aristeidis (Athens University of Economics and Business (GR)); DI GIROLAMO, Alessandro (CERN); MANCINELLI, Valentina

Presenter: SCHOVANCOVA, Jaroslava (CERN)

Session Classification: T3 - Distributed computing

Track Classification: Track 3 –Distributed computing