Contribution ID: **170**   Type: **Oral**

WLCG Dashboards with Unified Monitoring

Monday 4 November 2019 12:00 (15 minutes)

Monitoring of the CERN Data Centres and the WLCG infrastructure is now largely based on the MONIT infrastructure provided by CERN IT. This is the result of the migration from several old in-house developed monitoring tools into a common monitoring infrastructure based on open source technologies such as Collectd, Flume, Kafka, Spark, InfluxDB, Grafana and others. The MONIT infrastructure relies on CERN IT services (OpenStack, Puppet, Gitlab, DBOD, etc) and covers the full range of monitoring tasks: metrics and logs collection, alarms generation, data validation and transport, data enrichment and aggregation (where applicable), dashboards visualisation, reports generation, etc. This contribution will present the different services offered by the MONIT infrastructure today, highlight the main monitoring use cases from the CERN Data Centres, WLCG, and Experiments, and analyse the last years experience of moving from legacy well-established custom monitoring tools into a common open source-based infrastructure.

Consider for promotion

No

Primary authors: AIMAR, Alberto (CERN); AGUADO CORMAN, Asier (CERN); GARRIDO BEAR, Borja (CERN); LIMA NICOLAU, Diogo (Universidade de Lisboa (PT)); MENENDEZ BORGE, Gonzalo (Universidad de Oviedo (ES)); MAGNONI, Luca (CERN); TSVETKOV, Nikolay (CERN); ANDRADE, Pedro (CERN); BRUNDU, Simone (CERN)

Presenter: ANDRADE, Pedro (CERN)

Session Classification: Track 7 –Facilities, Clouds and Containers

Track Classification: Track 7 –Facilities, Clouds and Containers