Contribution ID: **303**   Type: **Poster**

Evolution of the filesystem interface of the EOS Open Storage system

Thursday 7 November 2019 16:15 (15 minutes)

With the ongoing decomissioning of the AFS filesystem at CERN many use cases have been migrated to the EOS storage system at CERN.

To cope with additional requirements the filesystem interface implemented using FUSE had been rewritten since 2017. The new implementation supports strong security in conventional, VM and container environments. It is in production for the CERNBOX EOS service since beginning of 2019 with continous improvements in stability, operability and usability, connecting tens of thousands of filesystem clients to the CERN-BOX/EOSHOME service.

In this paper we will discuss the challenges, current status, limitations and future improvements of the EOS filesystem interface.

Consider for promotion

No

Authors: BITZES, Georgios (CERN); PETERS, Andreas Joachim (CERN); SIMON, Michal Kamil (CERN); TOEB-BICKE, Rainer (CERN)

Presenter: PETERS, Andreas Joachim (CERN)

Session Classification: Posters

Track Classification: Track 4 –Data Organisation, Management and Access