



Contribution ID: 14

Type: **not specified**

EOS+CTA WorkFlows: Tape Archival and Retrieval

Wednesday 3 March 2021 08:00 (20 minutes)

The CERN Tape Archive (CTA) is the tape back-end to EOS. EOS provides an event-driven interface, the WorkFlow Engine (WFE), which is used to trigger the processes of archival and retrieval. When EOS is configured with its tape back-end enabled, the CREATE and CLOSEW (CLOSE Write) events are used to trigger the archival of a file to tape, while the PREPARE event triggers the retrieval of a file from tape and the creation of a disk replica.

This talk will present the details of these tape-related workflows, including the state machine for the processes of archival and retrieval, and the metadata which is communicated between EOS and CTA.

Authors: DAVIS, Michael (CERN); BAHYL, Vladimir; CAFFY, Cedric; CANO, Eric; FERNANDEZ ALVAREZ, David; GOUNON, Aurelien; KEEBLE, Oliver; LEDUC, Julien; MURRAY, Steven; YURCHENKO, Volodymyr

Presenter: DAVIS, Michael (CERN)

Session Classification: CTA