Contribution ID: **103** Type: **Short Talk**

dCache: from Resilience to Quality of Service

Tuesday, 18 May 2021 16:05 (13 minutes)

A major goal of future dCache development will be to allow users to define file Quality of Service (QoS) in a more flexible way than currently available. This will mean implementing what might be called a QoS rule engine responsible for registering and managing time-bound QoS transitions for files or storage units. In anticipation of this extension to existing dCache capabilities, the Resilience service, which maintains on-disk replica state, needs to undergo both structural modification and generalization. This paper describes ongoing work to transform Resilience into the new architecture which will eventually support a more broadly defined file QoS.

Primary authors: ROSSI, ALBERT (Fermi National Accelerator Laboratory); Ms CHITRAPU, Krishnaveni (National Supercomputer Centre, Linköping University); GARONNE, Vincent (University of Oslo (NO)); LITVINTSEV, Dmitry (Fermi National Accelerator Lab. (US)); Ms MEYER, Svenja (Deutsches Elektronen-Synchrotron DESY); MILLAR, Paul; MKRTCHYAN, Tigran (DESY); MORSCHEL, Lea (Deutsches Elektronen-Synchrotron DESY); SAHAKYAN, Marina

Presenter: ROSSI, ALBERT (Fermi National Accelerator Laboratory)

Session Classification: Storage

Track Classification: Distributed Computing, Data Management and Facilities