

Migration from CASTOR to the CERN Tape Archive

Wednesday, October 27, 2021 5:25 PM (25 minutes)

CASTOR was used as CERN's primary archival storage system for the last two decades, including Run-1 and Run-2 of the LHC. For Run-3, CASTOR has been replaced by the CERN Tape Archive (CTA). At the end of Run-2, there were 340 Petabytes of data stored in CASTOR, which had to be migrated to CTA during Long Shutdown 2. Over 90% of this data is an active archive —the custodial copy of physics data belonging to the four LHC experiments and around a dozen smaller experiments at CERN. The migration and switch from CASTOR to CTA had to be accomplished with minimal interruption to experiment activities; to further complicate the problem, each experiment has a slightly different workflow and data management stack. This presentation will describe our experiences and lessons learned during the two-year period of the migration.

Desired slot length

20

Speaker release

Yes

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