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The CERN Tape Archive : Archival Storage for Scientific Computing

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The CERN Tape Archive (CTA) is the tape back-end to EOS disk. CTA went into production in June 2020 and currently stores around 400 Petabytes of physics data. During 2022, CTA will ramp up to full production data-taking volumes with the start of Run-3 of the Large Hadron Collider (LHC). CTA is an open-source system which is being evaluated and adopted by a number of scientific institutes besides CERN.

This presentation will cover the outlook for archival storage and give an overview of how tape storage fits into CERN's integrated storage strategy and the suite of storage and data transfer products/services provided by CERN's IT Department.

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