Tape challenge '22: CERN T0 plans

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03/02/22
T0 CERN T0 disk: EOS

- EOS T0 disk is ready
  - as demonstrated in June 2021 and October 2021 data challenges
  - new capacity for Run3 planned delivery on week 9
  - following up with all experiments for dedicated commissioning tests
  - plan to schedule another combined data-taking challenge (P* -> EOS -> CTA)
CTA is ready

- EOSCTA SSD tape buffer bandwidth was already demonstrated in June 2021
  - at the time: 10GB/s of round-robin allocated write bandwidth to tape
  - now: ready to reproduce similar rates with tape for all experiments
- specific datatest endpoints for the data challenge (same as 06/21):
  - for ${experiment} in alice atlas cms lhcb:
    root://eoscta${experiment}.cern.ch//eos/cta${experiment}/archivetest/data_test/
T0 CERN T0 tape: CERN Tape Archive (CTA)

• Technical details needed for planning
  • Please delete all previously written data in this endpoint by end of Feb 22
  • No additional production activity during tape data challenge on T0 tapes
    • Any production traffic will be deduced from experiment challenge tape BW pledge
  • The following information is needed:
    • Expected sustained write rate to tape, avg file size
    • Expected duty cycle: duration of write sessions, time between write sessions
    • Total written volume (deduced from previous numbers)
    • Expected tape read rates