

# **CTA deployment meeting**

## **Report of Contributions**

Contribution ID: **33**

Type: **not specified**

## AOB

*Thursday, 15 October 2020 14:50 (5 minutes)*

- Repacking and reclaiming tapes imported from CASTOR (*i.e.*, removing the FROM\_CASTOR flag from tapes in CTA)
- CTA website deployment still broken

Contribution ID: 41

Type: **not specified**

## ALICE Post-migration Issues

*Thursday, 15 October 2020 14:00 (10 minutes)*

- ALICE went into production on schedule on Monday 12 October. Well done everyone!
- Michael: Namespace reconciliation (1.8 million files in Alien are not in CTA)
- David: ALICE probe: Alice authentication relies on xrootd-alicetokenacc RPM and secret magic sauce from Andreas, see #105 and #666.
- Steve: Implicit prepare
- Steve: Garbage collector, see #905

**ALICE schedule:** Fill buffer to 2.5 PB, carefully fill the rest without evicting anything until the first bunch is fully reconstructed. Then stage a bit more and the GC will have to kick in (mid-November).

Contribution ID: 45

Type: **not specified**

## Getting LHCb into Production

*Thursday, 15 October 2020 14:10 (10 minutes)*

- See Putting EOSCTALHCB into Production (CodiMD)
- Successful 200TB test with 10 tape drives and one buffer server for 2.5GB/s of constant archival throughput. Chris will now recall the files.

### **TO DO/Schedule**

- TPC test from EOS LHCb to T1s
- DAQ test should be possible in November (tentatively 9 Nov 2020)

Contribution ID: 46

Type: **not specified**

## Getting PUBLIC into Production

*Thursday, 15 October 2020 14:30 (10 minutes)*

- Migration of SMEs from CASTOR to CTA, see Putting EOSCTAPUBLIC into Production

### NA62

- NA62 repack is proceeding
- NA62 offline integration: Vova has created the VM with AFS+EOS to allow the tests to proceed
- NA62 migration test onto EOSCTA PPS, see issue #72
- NA62 recall tests (30 TB) on EOSCTA PPS after migration test

### COMPASS

- Metadata check checksum bulk query
- DAQ tests in November on CTA
- EOSCTA instance for these tests, see #69 COMPASS tests on EOSCTAPUBLIC PPS

### AMS

- Meeting with AMS took place 29/09/2020, need to schedule a test

### NA61/SHINE

- Trying to schedule a meeting

### r\_public\_user tapepool

- Repack of r\_public\_user tapepool: many experiments have data under their part of the namespace in the public\_user fileclass. This prevents us from migrating small experiments one-by-one. Can we split it as we did for grid?

Contribution ID: 52

Type: **not specified**

## Getting CMS into Production

*Thursday, 15 October 2020 14:20 (10 minutes)*

- See Putting EOSCTACMS into Production: TO DO List
- See Notes from meeting with CMS 02/10/2020
- CMS say write tests are satisfactory

### **TO DO**

- Michael/Giuseppe: clean up namespace, identify any tapes which need to be repacked
- Recall test
- Test of FTS file safely on tape check (not a blocker)

### **Schedule**

- **20 Oct 2020:** Recall test (not a scale test, recall some datasets from various eras of the experiment)
- **w/c 26 Oct 2020?** Put CASTOR into read-only
- **02 Nov 2020:** Migrate to CTA
- **09 Nov 2020:** CMS in production
- **18 Nov 2020:** MWGR#4 wiith T0 using Rucio
- **29 Nov 2020:** CMS retires PhEDEx

Contribution ID: 53

Type: **not specified**

## Repack

*Thursday, 15 October 2020 14:40 (10 minutes)*

### Repack priorities

1. Deploy and test: (a) Injection of recovered files when repacking broken tapes, (b) Change mount policy on-the-fly.
2. Tape Server: Add configuration options to give greater control over the highly-distributed maintenance process.
3. Remove “superseded” files in favour of the recycle bin.
4. Investigate if we can run a separate repack instance sharing the same catalogue.