

CTA deployment meeting

Report of Contributions

Contribution ID: 16

Type: **not specified**

ATLAS recall exercise and next tests

Thursday, 6 February 2020 14:00 (15 minutes)

- Julien e-mailed round a graph from DDM team about the 2018 data recall. BNL was first to finish but we reached the fastest recall speed.
- Next week is ATLAS Software Week.
- Recall exercise will resume the week after (17 Feb): reprocessing of 2017 data.

Action points to clarify

- Make a new release of CTA (Monday OK?) This will add new features including:
 - cta-admin tapefile ls. Should we remove “archivefile ls”?
 - Any last-minute features that need to be in?
 - Procedure for Release Notes
- Updates to DB?
- EOS 4.6.8 has delete on close but not reporting (4.6.9?)
- gfal bug fix, is new FTS deployed?
- Everything to be deployed by end of next week in time for next recall tests

Contribution ID: 21

Type: **not specified**

Next milestones

Thursday, 6 February 2020 14:30 (15 minutes)

- 31 January milestone
 - Review of outstanding items and close the milestone
 - Review of issues raised by Julien
- CTA v1.0-4 next week to complete recall test
- Write Stress Test -> CTA v1.1 (24 February)
 - Backpressure
 - Do we need multi-hop for this? To be checked with Cédric Serfon.
 - XRootD v4.11.2 for TPC proxy delegation transfers
- Integration test with ATLAS Online (2 March)
- One week “cool off” period with no writes to CASTOR, to ensure all files have made it to tape and to check that no further data is being written
- ATLAS goes into production (provisionally 16 March, need to check this does not clash with ATLAS TDAQ milestone tests)

Contribution ID: 25

Type: **not specified**

Monitoring Status Update

Thursday, 6 February 2020 14:15 (15 minutes)

- Cedric is working on the tape summary feature and long-term logging of data in CTA
- David will present on consolidation of monitoring dashboards

Contribution ID: 27

Type: **not specified**

Technical discussion about Backpressure

Thursday, 6 February 2020 14:45 (30 minutes)

We need to take a look at all of the backpressure/rate-limiting mechanisms in play in all of the system components (Rucio/FTS/XRootD/EOS/CTA) and come up with a plan as to how we will implement a workable backpressure mechanism for retrieval.

- Cédric will present the backpressure mechanism as it is implemented in the tapeserver.
- Clarify what problems have already been solved and which are the open problems.
- Discussion of solutions.

Contribution ID: 29

Type: **not specified**

Other unresolved problems

Thursday, 6 February 2020 15:15 (5 minutes)

List issues that still need to be resolved (not for discussion today)

- Zero-length files