FTS3 task force report

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FTS3 status

- LHCb for all production transfers (CERN prod FTS3)
- ATLAS full production for 30% of sites with a single instance (RAL FTS3) + functional test for all sites (CERN pilot FTS3)
- CMS for ~30% of debug transfers (~10% of total transfer load) (CERN prod, RAL, ASGC, IN2P3-CC FTS3 servers)

FTS3 plans

- Instabilities and problems spotted during July/August/September
  - Problems cured and fixed promptly, but still they were quite many…
    - Decided to stop just adding new sites and verify stability
- Last month FTS3 showed good stability
- Next steps:
  1. Verify FTS3 performance with specific tests (more on next slide)
  2. Restart with the incremental increase on one single instance
  3. Test and integrate new FTS3 functionalities (e.g. multihop, staging, VO shares)
  - Get everything in place to treat FTS3 as WLCG service
    - E.g. downtimes are now in GOCDB

FTS3 specific tests

- Baseline for FTS3 evaluation is the present behaviour of FTS2: FTS3 vs FTS2
  - Metrics are under definition
  - Various tests planned
    - Focus on single link first. Link mesh later.
- This will also allow us to give recommendations to the sites wishing to replace FTS2 with FTS3
- New functionality (e.g. multihop/staging/VO share): ad-hoc tests still to be defined
- Experiments are involved in the discussion, sites will be contacted once the tests have been fully defined

FTS3 deployment scenario

- We still cannot get into specific details on the deployment scenario because we don't know yet if one single FTS3 instance is able to cope with all the experiment loads
- Tests have been discussed also to evaluate the behaviour of multiple FTS3 instances running in parallel

FTS3 task force demos/meetings

- Sites interested in knowing more please join the task force!