Tokens in LHCb/WLCG

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Workload Management

→ basically, little movement in the last 6 months

Each LHCb site was (time ago) contacted via GGUS to enable client credentials flow.

- HTCondorCE: pilot submission with tokens everywhere
- ARC: (used to be) less clear
  - Only few sites – NCBJ, JINR
    - Q: is ARC6 "ready" or we should wait for ARC7 ?
      - accounting?

- ETF tests using tokens for HTCondor CEs

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Data Management

- The current Dirac production version can submit FTS transfers with tokens, but <u>LHCb is not running token transfers in production</u>

- Agreements on **future plans** with FTS (and with Rucio too):
  - File specific tokens (read and write)
  - Long lived and no refresh by FTS
  - Tape: came up with a "Tape Rest API with token" proposal at the FTS&Xroot workshop

IAM (usage and concerns)

Usage: we do not envision non-basic workflows

Concerns:

- **Scalability**
  - Issues seen at DC24 (and previously too)
  - Long lived tokens seems like the way to go for the moment
- **Support level of LHCb IAM instance**
  - Most probably no need for 24/7 support
- **Maintenance and development**
  - The "feeling" is that developments and bug fixes have been rather slow, mostly because of person-power issues, and mostly concentrated on fixing technical debts. It would be beneficial to get a statement about this topic

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