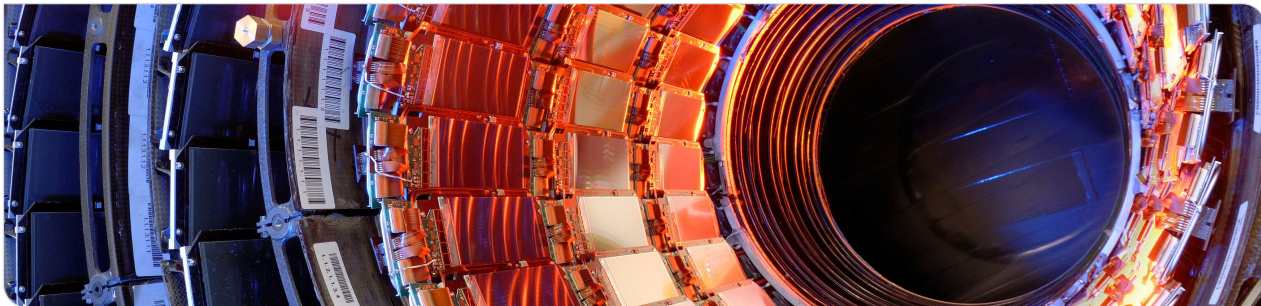


KIT dCMS Report

KIT dCMS Computing Team | June 23, 2022



Grid Certificates and Tokens

- At KIT, we (both GridKa services and students) apply to DFN to obtain grid certificates
- A dcms group can be assigned to such certificates, based on the assigned university
- We would require in addition a dCMS VO Group for token-based authentication

Opinion from KIT side

- We definitely think, that we require grid certificates and tokens with dCMS group and should support that.

Status Long-Term User Storage in dCMS

From Discussion with CMS:

- CMS does not have any problems with small datasets relevant for CMS to be moved from user area to CMS global storage (including tapes)
- However, all potential work and developments to be done by users interested in that → See details in the slides "User Samples at Global CMS Storage"
- Furthermore, picture might look different for user's analyses n-tuples and accompanying data (e.g. from Ph.D. theses, ...)

Long-term Storage of User's Files (KIT perspective):

- KIT may provide long-term tape storage for user's files (e.g. packed into big tarballs), but only for people from the state of Baden-Württemberg.
- In consequence, a dCMS-wide solution is not possible at GridKa alone.
- To be stored as open data → requires a dCMS-wide policy for privileged access for CMS collaboration
- CMS needs to be informed about such a solution and agree with it

Disk User Storage in dCMS

A few considerations from KIT side:

- We think, that quota management might get difficult, in particular if we would like to go for a dCMS-wide solution
- A common dCMS monitoring page accessible to users (e.g. [HappyFace4](#)) may help to decide where to store data within dCMS
- Globally-managed dCMS storage (e.g. with Rucio) might help to introduce quotas, could make it difficult to identify files copied by hand by users (e.g. with `gfa1-copy`)
- At KIT, another 750 TB of dCMS storage is underway.

Conclusions from KIT side

We suggest to leave the users data management (copies, used space, ...) to users, to unify monitoring for dCMS users & to make it easily accessible

Meeting in Person

- Definitely yes :)
- Where? We would suggest DESY as meeting place