LHCb Pilot Job Tests

- We have not started this test due to several reasons:
- our analysis job submission (ganga) was not interfaced in time to DIRAC3, due to a severe accident of the developer and lack of manpower
- we had to let propagate the existence of the VOMS role=pilot to all sites as specified in our VO card... and verify it
- we were struggling somewhat with this WMS problem you mention, which is not really a show-stopper for the test, but was keeping busy the same people who had to work on it!
- Thus for the time being what we have done is just for production: production shifters submit the production workflows to DIRAC with their own credentials (role=production) while DIRAC submits the pilots with a single DN (role=production as well). The pilot then delegates for job execution to the submitter's proxy. This at least tests the mechanism for proxy handling (since it was certified by the WG) as well as delegation for all operations (mainly Data Management). This works fine...
- Next step is to move to role=pilot and we have a series of meetings this week on DIRAC3 where this will be hopefully decided and put in place. Then hopefully by the end of the months we shall be able to integrate analysis users as well. For DIRAC it is just a configuration switch for deciding whether a job type uses private or generic credentials. For the time being the first tests on analysis are done with private credentials (i.e. that of the submitter).

WMS Problem

- the issue with WMS is that when a user submits jobs to a WMS with two different VOMS roles, the WMS eventually mixes up the roles and the jobs, and you end up having e.g. a SAM job running as production and a production job running as lcgadmin.

- The problem took some time to be recognised by developers, but thanks to Maarten they accepted it and apparently they know where it comes from, but not sure where they are with a fix...