

Rucio OpInt status update

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MLaas4HEP - Training models with HDFS data on Ixplus

- I started trying to run MLaas4HEP's HDFS reader in Ixplus to get rucio event data and train a test model with them
- I have progressed a lot (there are still a few issues with a couple of libraries) and I'm keeping notes on how to run in LXPlus (including getting access to HDFS etc). I'll share all my notes this week so everybody can give it a try.

HDFS Loader for Rucio OpInt

- A new loader that can fetch data from HDFS has been developed.
- By default the loader gets the latest errors but it can accept arguments to get errors from a specific date or a range of dates.
- The loader can also read any data given a file with hdfs paths.
- Currently Rucio errors are being pulled by the analytix HDFS cluster but this is only because it was the easiest first step. FTS issues should be our next target.

Next steps

- The immediate next step is to read FTS error logs instead of Rucio-Specific errors.
- In the meanwhile Luca is trying to train a model that will be able to cluster the large amount of errors into more meaningful categories.
- Authentication will also be implemented to put the whole project behind a “CERN wall”.
- Since we will start importing FTS errors we could have a more experiment-independent prototype. I’ve been talking with Nick (Smith) to setup a meeting to see how we could make an instance of Rucio OpInt for CMS-Rucio errors but since we will start pulling FTS data we could combine efforts and have everybody giving feedback on the same errors.

Next steps

- In order for us to understand better what we are trying to do we thought it would be meaningful to ask Boris to get trained in shifters routine. The instructions seem to be a bit too internal to the experiments.
- Could we maybe have some more clean/abstract instructions in order for non-experiment people to understand what the shifters are doing?