Plans for Influx upgrade feasibility

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Marco Roda, Alessandro Thea

26 April 2024
F & I Meeting

Influx upgrade

- Considering that we are using a deprecated influx version
- we need a plan on how to move forward even if the current system proved stable

- First thing to do is test the new system. Two tests are necessary
  - Test 1 - what needs to change to use influx v2 on the software side
  - Test 2 - can we import the old data from v1 to v2?

- People involved
  - Pat and Marco
  - Priority should go to a number of other things as the system we have works
    - Pat, do you have time? Details of what needs to be done in the next slides

- Once the tests are done we can decide how to move forward
  - And when

Details for test 1

- What we need
  - an influx v2 instance on the 017 cluster (F&I)
  - a new telegraf instance to read from a new kafka topic into the new influx (F&I, maybe Marco can help)

- The test (Marco)
  - Try to have a run with all the information flowing into the new influx
  - Having the information correctly displayed into dashboards

Details for test 2

- What we need
  - an influx v2 instance on the 017 cluster (F&I)
    - It can be the same as test 1 or another that depends on technical requirements

- The test (F&I)
  - Import data from influx v1 (F&I)
  - Having the information correctly displayed into dashboards (Marco is probably enough)

related influx topic

Change in the influx v1 table

- The release v4.4.0 is tagged
  - It is time to proceed with the renaming of the table for ProtoDUNE 2 run

- The plan for migration should not stop us and this should go ahead with priority

- I know we said that the less work is to rename the current table to something else and leave the rest untouched but
  - the current name of the table is influxv3 because it was created with dunedaq v3, I would prefer to keep the match with the dune daq version

- Details of changes
  - Adding a new table called influxv4 (Pat)
  - Change the telegraf instance to read from the same kafka topic and write into the new table (Pat)
  - Change the data sources in grafana to read from the new table (Marco)

- Timeline
  - Ideally this should be done by next week