Round table: use cases of interest for participants

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During the course organisation we tried to take into account the known use cases.

- Obviously we can't fit all and, most important, we can't assume to be aware of every needs and interests.

- Moreover as introduced, we are heterogeneous here in term of background and needs, having an overview of everybody interest can be useful to set a common ground

- Finally, having an overview can stimulate concrete follow-up activities later on

The idea is to use this slot to quickly present a high level view of your interests and needs

- As said I'm aware of something and I will try to summarize
- I expect you will highlight your needs if not included

In term of communities we have people from

- AMS (HERD), FERMI

There are colleague from Padova with some use cases

Other?

This will be detailed later in the dedicated session

- A main requirement here is: "we need a federation of batches"

However people from AMS02 are also interested in following up in view of further activities they envision for other experiments: HERD

- Comments from Matteo / Valerio

FERMI collaboration

Few people here come from FERMI collaboration. **They have two main use cases**

- The most "urgent one" is to run classical batch jobs to process data (posix, no root)
  - Data are currently at SLAC but easily exportable
    - A first copy of data is in Perugia (few hundreds GB)
  - Conda base software must be available in Workernodes
    - User lib shipped at runtime
  - The whole setup has been migrated to HTCondor and currently run (O(100) WNs) in the Perugia's testbed: Need to move e.g. @CNAF (?) and possibly allow remote data access

- In the radar": recently started Machine Learning based data processing
  - Currently everything is running in a laptop just for early evaluations and initial studies (e.g. feasibility)
  - In 2020 they foreseen to move in a more consolidated computational environment
    - No computing model defined yet, they need hints and possibly support implementing the right thing.
      - Willing to reuse existing infrastructures/experiences
  - Still collecting requirements to be used in a possible follow-up

Already expressed in the past:

- ML based infrastructure mainly for HEP (CMS) data processing
  - Training model
- With Federica for a summary of additional interests/use cases

There is a interest from a remote connected colleague (Federico)

- This is currently related just to a very specific technical aspect which will be treated on Wednesday
  - HTCondor on Kubernetes.

Any other use case?

Who else has requirements and or use cases to describe?

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Thank you for your attention!

Questions?

Contact

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