WP2 Fortnightly Meeting
Task 2.1: Status of pilot and next steps

Notes

Simone (introduction):

Now that the work plan is finalized we will begin talking about tasks, we have 5 tasks in total so every 15 days we are going to talk about the progress in each task. Today is task 2.1 with task leader Xavier Espinal.

Also, rocket chat from WP3 looks that can do the job for intra-task communications so we should use it. It just needs some tweaking in order to properly get the desktop notifications or email notifications of messages.

Xavier (task 2.1):

- Talking about Infrastructure (slides)
  - % storage technologies covered until now (DPM, dCache, SToRM and EOS)
  - Work in progress with xrootd storage at GSI
- Talking about Data transfer and data management services (slides)
- Talking about Monitoring (slides)
- Talking about Caching technologies (slides)
- Talking about Information system (slides)

Questions:

Stephan: Which protocols will be supported?
Xavier: currently xrootd, http and gsiftp. With the goal to have http enabled at all storage endpoints.
Stephan: SAM tests needed, talked with Aris about this
Xavier: Yes and we should have a transfer matrix in order to record those tests, their progress, success, failure, etc.

Andrea: Some endpoints will provide tapes, how and when will this happen?
Xavier: We should define how to manage this on the rucio level. Also, this is a midterm milestone, so in approximately 1,5 year.

Andrea: We should combine the authentication and authorization techniques also for accessing the monitoring platforms by using the Escape IAM.

- Xavier talking about the task planing (slides)

Questions:

Ghita: Which site will deploy xCache?
Xavier: We shall see, deploy it here at CERN and volunteering sites.
Fabio: Are there any alternatives to xCache?
Xavier: Yes, but we will stick to xCache because it is more flexible and it already supports authentication mechanisms.
Ghita: We are exporting NFS from dCache at IN2P3
Fabio: This NFS is used only for local access..
Xavier: Before summer I would like to have identified workloads from HEP and non-HEP communities in preparation for the hammercloud benchmarking
Also, we should have a common Rucio-FTS dashboard for monitoring and in order to see how each system performs.

Aris (Datalake status): (most of the info on the slides)

- FTS Monitoring with Grafana
    - In the future maybe we can setup our own ESCAPE Grafana instance

Questions:

Guido: Is it easy to transfer monitoring solutions outside CERN?
Aris: We can try it.
Simone: Tier1 sites use FTS so we can also see how they perform monitoring.

Riccardo (xCache): (slides)

Simone (closing remarks):

Executive board meeting is next week. We should meet face to face before December 2020.