

Facility Coordination Biweekly Meeting

01 December 2021

- Facilities Team [Google drive folder](#)
- Facilities [Indico category](#)

Attendees

Present: Ilija, Eric

Apologies:

Co-Conveners: Rob Gardner, Shawn McKee

Two special topics today:

1. Use of GPUs in our facility (Johannes)
2. Purchasing plans (Fred)

[End of grant spreadsheet](#)

[Facility evolution spreadsheet](#)

This may take a significant fraction of the meeting time!

WBS 2.3 - Rob & Shawn

- OTP values for Tier-1, Tier-2 and Cloud need finalizing:
 - Tier-1s:
 - <https://docs.google.com/spreadsheets/d/1m8duFd2nzkek7nrkJDdgzgKhTNdyItYiaybjKXQfms/edit#gid=0>
 - Tier-2s:
 - https://docs.google.com/spreadsheets/d/12EVO_HOqPhNzSK94YZ_uYR7udm1Nz_Y2aWvB8pGXDEg/edit#gid=0
 - Cloud Operation and Management:
 - https://docs.google.com/spreadsheets/d/1CwLQJ1r6O5LNRX5buljuUBCJ_4Mp4SdvTf1qjxgm3aQ/edit#gid=1008601579
- WLCG Ops Coordination meeting tomorrow will discuss networking info in CRIC <https://indico.cern.ch/event/1101195/>

WBS 2.3.1 - Doug, Eric

- work continues to deploy a standalone xrootd server for HPC storage (BNLHPC_DATADISK) - discovered issues with OSG multi-user plugin.
 -

WBS 2.3.2 - Fred

- Good running...
- IPV6 is really becoming an issue.
- XRootD configurations having trouble keeping up with transfers. OU and CPB have had the number of concurrent FTS transfers reduced. CPB will put up additional XRootD doors.
 - OU reported that the issue was solved in xrootd 5.3.4. But they still see problems with backend storage.

WBS 2.3.3 HPC Operations - Lincoln

- Tasks for NERSC, TACC stuck "assigning"
 - There is no nucleus assigned for these tasks-
 - e.g.,
 - <https://bigpanda.cern.ch/task/27393377/>
 - <https://bigpanda.cern.ch/task/27423693/>
 - Rod assigned one manually and the task started.
 - Rod suggests this has something to do with 'storage crisis' ? I haven't followed closely, will try to get more information.
- Had conversation with MCPROD team about tasks for NERSC, TACC. Asked them to keep a large number queued up, because we need at least 200 slurm jobs for Cori and 700 for Frontera to keep things running.
- Asked MCPROD to create a test task for Perlmutter. John Anders suggests that it might be best for them to simply create the task for me rather than having me go into Prodsys myself.

WBS 2.3.4 - Analysis, Shared Tier3 Facilities - Wei & Ofer

- UC ML platform at AF works fine. Work on integrating all ML platform, SLATE deployed Jupyter and coffea-case is continuing.
- Two EU AFs talks at GDB (Dec 8): <https://indico.cern.ch/event/876796/>

WBS 2.3.5 - CIOPS - Ofer

- SRM+HTTP has been enabled (global setting) on CERN FTS
 - Rucio to be reconfigured tomorrow
 - BNL FTS update held back due to Belle-II?
- Frontier squid stress tests by CERN
 - Required intervention to clear cache at SWT2 and MWT2 - done using SLATE commands (thanks Lincoln and Patrick); adding documentation to web docs
- Still wrestling with understanding/normalizing CRIC settings
 - AGLT2 SRR reporting getting closer with help from Tigran...
- Ilija
 - XCache
 - all running fine, all upgraded to 5.3.4
 - VP
 - The long standing issue with RAL origin will be solved by the upgrade. Tested successfully, they should upgrade the remaining 6 servers today.
 - BNL VP queue is not getting any resources. Ofer will look at the issue.
 - Rucio heartbeat changes will go into the 1.27.0` patch next week.
 - Rucio GeolP distance still not working. Martin is trying to debug.
 - ServiceX
 - ES
 - Today's operation was affected by a network issue. Rather unfortunate timing as it will affect getting analytics from the Frontier stress testing. Now stable.
 - First step of server relocation next Monday.
 - ServiceX
 - AF instances fully upgraded and again running fine.
 - Big cleanup underway
 - Debugging deployment on a Fabric site