

Facility Coordination Biweekly Meeting

15 December 2021

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

Attendees

Present: Shawn,

Apologies:

Co-Conveners: Rob Gardner, Shawn McKee

WBS 2.3 - Rob & Shawn

- Any issues from the director's review to follow-up?
 - Eric - not clear if the issue of providing resources above pledge adequately
 - Paolo - email exchange w/ Ale and Zach - moving towards CMS w.r.t. pledges - increasing pledges up to 20%.
 - this will have significant consequences - with many countries -to be discussed in the ICB

		2022 agreed @ April 2021 RRB	2023 Request @ March 2022 RRB	Balance 2023 wrt 2022
CPU	T0 (kHS06)	550	740	34.5%
CPU	T1 (kHS06)	1300	1536	18.1%
CPU	T2 (kHS06)	1588	1877	18.2%
CPU	SUM (kHS06)	3438	4152	20.8%
Disk	T0 (PB)	32	40	25.0%
Disk	T1 (PB)	116	136	17.5%
Disk	T2 (PB)	142	167	17.4%
Disk	SUM (PB)	290	343	18.3%
Tape	T0 (PB)	120	174	45.0%
Tape	T1 (PB)	272	353	29.8%
Tape	SUM (PB)	392	527	34.4%

Table 6: Summary of the requests for computing resources in 2022.

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- The Tier0 is in good shape for 22 and 23
- Impact of Run3 extension

- official doc(eric):
<https://indico.cern.ch/event/1069099/contributions/4495725/attachments/2297243/3907055/20210824%20ATLAS%20Weekly%20C-RSG.pdf>
- Porting workflows to HPC - 2.4.2 being inactive
 - n.b. lincoln and rui are porting cpu workloads to perlmutter
 - active learning on nersc - Fang-Ying Tsai (stony brook) - using Ray

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WBS 2.3.1 - Eric, Doug

- may need to take a downtime
- hpps log4j update
- doug is troubled that OSG security was slow to notify - late in the day on monday

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WBS 2.3.2 - Fred

- CERN has been having issues with Rucio/FTS and there have been lots of disruptions.
- Long jobs wasted time at NET2:



- We should think about how long we want to allow jobs to run.
- Disagreement between CRIC and local settings
- https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&from=1639421026730&to=1639593826730&var-bin=1h&var-groupby_jobs=dst_experiment_site&var-groupby_ddm=activity&var-cloud=US&var-country=All&var-federation=All&var-site=All&var-computingsite=All&var-es_division_factor=1&var-measurement=ddm_transfer_1h

- UC was able to get Dell to substitute EPYC 7343 for the EPYC 7302 at no extra cost. The hope is that using singularity will make using the Milan CPUs
- UC storage order in. Some additional network gear from Juniper has been dated to June 22.
- I am benchmarking several Milan CPUs.
- We need to get NET2 and SWT2 onto OSG 3.5 ASAP so that all sites can jump to OSG 3.6 in the first quarter before the run starts.
 - Still waiting for a stable version of 3.6
- XRootD is still struggling with stability issues? Wei should comment.
 - Horst hasn't complained for more than a week.
- Various Frontier failures
- UTA_SWT2 shutdown on hold?
- IPV6 completed at MWT2 by dual stacking IU and UC gatekeepers.
 - Still waiting for NET2 and CPB

WBS 2.3.3 HPC Operations - Lincoln, Rui

- Lincoln on vacation till January
- Work continues on integration of Perlmutter

WBS 2.3.4 - Analysis, Shared Tier3 Facilities - Wei

- UC AF - working fine. ML working fine.
- No reported operational issues at BNL and SLAC
- Discourse [server](#) with federated ID deployed at BNL for US ATLAS analysis community.
 - link to US ATLAS AF paper - [US ATLAS AFs info and plans](#)
- Working with Alessandra to prepare presentation for GDB.
- In IRIS-HEP they are discussing organizing an HSF forum for AFs. Something to keep an eye out, to participate.
 - Eric and Doug are raising concerns
 - Would be good to have strong connections to sites
- Tomorrow is the next IRIS-HEP AGC meeting
 - The next IRIS-HEP Grand Challenges discussion will be held on Thursday, December 16, 2021 at 9:00 AM Eastern.
 - <https://indico.cern.ch/event/1105768/>
 - Zoom link:
 - <https://cern.zoom.us/j/65071690466?pwd=TVlVTUd1NDlwMFNVaIRRVTRXeEh5UT09>
 - Please share this with appropriate members of your teams.

WBS 2.3.5 - CIOPS - Ofer

- VOMS package update on Tier-1 farm today; after that, can proceed with HTCondor-CE updates
- FTS transfer issues at BNL and NESE. BNL checking with dCache support. BNL FTS to be updated today - will be the same version as CERN.
 - Up to three different issues here, not all to be addressed by version upgrade
- Issues with long running jobs at NET2 (4+ days); PQ settings at sites all over the place
- AGLT2 squids down (blocked port?)
- Some refinement needed for SLATE GitOps notifications (content, frequency, etc.)

WBS 2.3.5.2 Service Development and Deployment

- Ilija
 - XCache
 - all instances working fine.
 - Brief offlining of two xcache AGLT2
 - Now using images coming from OSG Harbor repository
 - VP
 - Working fine
 - BNL still no jobs running
 - INFN-T1 and NDGF xrootd endpoints messed up. Asked for the fix from cloud support.
 - Analytics
 - ES cluster rejoining moved nodes hit a few snags. Will attempt again tomorrow with all the new certificates on all the nodes.
 - CERN k8s analytics cluster has been recreated with 1.22 (was 1.13).
 - Jobs and Task indexing was interrupted due to a change in Oracle python binding. Issue was fixed and missing data reindexed.

AOB - next meetings:

- Dec 22 Facilities <--- suggest canceling
- Dec 29 Coordination - no meeting
- Jan 5 Facilities (as per normal)