Meeting notes NDGF AHM 2022-1 Oslo

Site reports

UCPH report:

New Tier1 nodes up and running.
We'll need a new tape system - Hans Henrik looks forward to the topic on Wednesday and might have questions/ideas.
We are still working on the new data center – the "advisors" need guidance and education .. currently the interaction with the building's cooling infrastructure is a topic.

CSC report

Storage: The renewal of the HIP CMS/ALICE storage at CSC is in the stage that the winning offer has been selected. The protest period is running currently so a contract has not yet been signed with the winning vendor. The real delivery time will be known once the contract has been negotiated and signed. In units of U the new system will be slightly smaller than the current system, but with about 3.1 larger raw capacity compared to the current system.

Compute: No changes from last year

UiO report

https://docs.google.com/presentation/d/1gdLlr-qNiFOq-eUKKJiSZseS-havZlg2OCOP0GWid9k/edit#slide=id.p

UiB report

Compute: Stable running on NREC. 2400 cores. ~28-30 kHEPSPEC (little below pledge) - Support until 2024, running with high efficiency >90%
Disk: 2.8 PB (pledge 2022 3.2 PB); stable no failures in the last year.
Tape: Tape up and running, new knowledge acquired. Throughput issues being investigated. 4 PB installed. - Support until 2023
New equipment purchased: for compute 2100 cores, + 3.6 PB storage + … PB tape

NSC report

Latest generation of disk storage (~1 year old) - SATA drives - disk failures 6% loss.
Monitoring and will escalate the issue.
One machine - two drives failed, got rebuilt automatically - again-and-again

Other news: UPS support finally in the new building

HPC2N report

IJS report

NT1 report

Shipping address from everyone to be sent to Mattias for perfsonar nodes
Must be installed topology wise close to the storage

BERN
Data moving

Linux tuning

For HPC and/or storage
sysctl: kernel.pid_max
sysctl: kernel.core_pattern

Other tuning comments:
Dejan: ceph runs better if all cache is disabled on disk
ceph tuning page requested.

Future needs

WLCG future requirements

101-high-energy physics

ARC 7

https://docs.google.com/presentation/d/148bUiZVdZnyEjLNf1nbHAZZRTm7qxM0FPmNhHmXuzik/edit#slide=id.g13592195c5e_0_0

Tape

Networking

Site expectations (SLA typish Service Level Expectation)

Would be nice to resurrect the document, and also update with …
Find out a good way to make the information available. Separate wiki, links, etc.

Monitoring

Next meeting

Physical meeting preferred (majority of people want this)
Finland next meeting - Erik confirmed it is ok.