DUNE Operations Meeting Week Of 2023-04-24

Call details are on https://indico.fnal.gov/event/59128/

General Information

- The purpose of the meeting is:
    - to report significant operational issues (i.e. issues which can or did degrade experiment or site operations) which are ongoing or were resolved after the previous meeting;
    - to announce or schedule interventions at sites or services;
    - To inform about recent or upcoming changes in the experiment activities or systems having a visible impact on sites;
    - to provide important news about the middleware;
    - to communicate any other information considered interesting for DUNE operations.
- Any topic requiring more than 5 minutes of discussion should be noted and then discussed at another venue
- Whenever a particular topic needs to be discussed at the operations meeting requiring information from sites or experiments, it is highly recommended to announce it by email to the dune-computing-sites list (at listserv.fnal.gov) to allow the meeting coordinators to make sure that the relevant parties have the time to collect the required information, or invite the right people at the meeting. It is requested that such topics be announced no later than COB the Friday before the next meeting."
- Relevant contacts for test beams, services, and sites below should replace the "NC" either wiith a status or with "NTR" (nothing to report)

Monday 24 Apr 2023

Attendance

Jon Hays Steven Timm,Pete Clarke, Andrew McNab, Hélio, Wenlong, Raja Nandakumar, Tejin, Robert Illingworth, Elisabetta Pennacchio, Doug Benjamin, Heidi Schellman

Production Calendar:

https://calendar.google.com/calendar/u/0/r/month?cid=i7ljnj9ilk70hin7cr1l2e1kj4@group.calendar.google.com&pli=1

Tejin–still working on the protodune 0.5GeV/c MC
NP02 coldbox: NTR, FD productions: no requests before May CM

Announcements of Significant Operational Issues:

We are working with OSG and CERN factory ops to test all our sites and how they work with tokens. CERN factory is expected to drop GSI proxy support for htcondor-ce in mid to late May. Proxy support for ARC CE's will continue. Expect contact from DUNE operations if your site is not working with tokens. We have access to the standard WLCG configuration instructions and will post them shortly.

Running Expt. Round Table

NP02: NTR

NP04: NTR

ArgonCube 2x2: Xrootd server on DAQ system now up and running, but the network block still in place. Good chunk of 2x2 simulation done at NERSC and ready to transfer back to FNAL.

TOAD: NC

DUNE Services Round Table:

Data Management: Expect metacat conversion this week. In contact with Matt Kramer of 2x2 argon cube to transfer his simulation data from NERSC.

Authentication: NC

Global Pool: NC

Monitoring: NC

Workflow (justIN): Jobs from RAL schedd now running in pilots at remote sites

AWT/ETF: What's ETF timetable on Token support?

> AWT: https://justin.dune.hep.ac.uk/dashboard/?method=awt-results

> ETF:
> https://etf-dune-prod.cern.ch/etf/check_mk/index.py?start_url=%2Fetf%2Fcheck_mk%2Fview.py%3Fview_name%3Dallhosts

Database Servers: NC

Sites Round Table

BR-CBPF: IT personal do not understand what is the problem with tokens. Ask clarification
CA-Victoria: GGUS ticket of last week cleared
CA-SFU: Jobs still remain pending indefinitely, OSG ticket 72499 open.
CERN: All CERN CE's now take tokens.
CH-BERN: NC
CZ-FZU(Prague): NC
ES-PIC+CIEMAT: NC
FR-CCIN2P3: Tape RSE now correctly labeled as such.
IN-TIFR: NC
JINR: NTR
NL-NIKHEF/SurfSARA: GGUS 161502 open against SURFSARA no response for 3 weeks
GGUS 161419 open against NIKHEF there have been responses but no fix.

UK-GridPP:
     Edinburgh: NC
     Manchester: NC
     RAL-Tier1: Still seeing Justin failures to write to FNAL after network routing supposedly
fixed. Robert requests ticket on Fermilab site
     RAL-PP: NC
     QMUL: NTR
     Liverpool:
     Durham: Appears tests are not working as yet.
     Oxford: NC
     Bristol: NC
     Sheffield: NC
     Imperial: NC
     Brunel: NC
     Lancaster: NC
     Other:
US-BNL: gridgk*, gridgk02 takes the DUNE token Would like to do a WAN stress test of
reading files from BNL. - BTW how are we going to handle HDF5 files?   Discussion–Mike asks
for a bit more of writeup to determine what specifically we want to test. HDF5 files can stream
with the preload libraries as determined by Tom. Discussion what does it mean to have 50% of
processing in the US. Doug needs to do a test and try to determine the effective network limit
before the review. Labor is commensurate with resources and requirements.
US-FNAL:
     Enstore/dCache: Think there is an enhancement to dcache xrootd that will allow legacy
clients and tokens to work on the same port.
     Jobsub_Lite: new v1_3 release coming next week with token weakening
     Batch Clusters: NC

Computing Access: NC
Wiki/Documentation: NC

US-HEPCloud (NERSC): Ken was able to run with some concurrently and didn't get open files error on NERSC Perlmutter.

US-OSG-Opportunistic:

Summary: US_Clemson, US_UChicago dropped support for DUNE. US_MWT2 is gone as is US_SU-OG and US_Lincoln. All Nebraska sites (US_Omaha, US_Nebraska, US_Swan) don't have support for user namespaces. US_WSU glideins just pending forever.

Some discussion re. Contacts of Uchicago and other WLCG-based sites.

Review of github issues https://github.com/DUNE/dist-comp/issues

Time to share relevant performance/usage plots.