

DUNE Operations Meeting Week Of 2023-04-15

Call details are on

<https://indico.fnal.gov/event/63087/>

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 Asites;
 - 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 15 Apr 2024

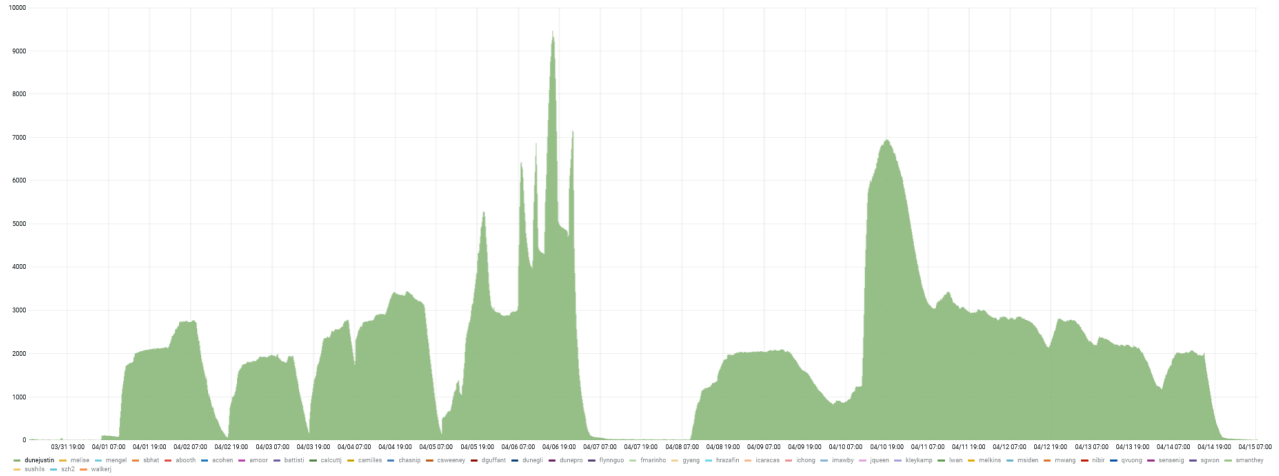
Attendance:

Andrew McNab, Michael Kirby, Steven Timm , James Perry, Wenlong Yuan, Elisabetta Pennacchio

Production Calendar:

<https://calendar.google.com/calendar/u/0/r/month?cid=i7ljnj9ilk70hin7cr112e1kj4@group.calendar.google.com&pli=1>

Justin jobs in the last 15 days:



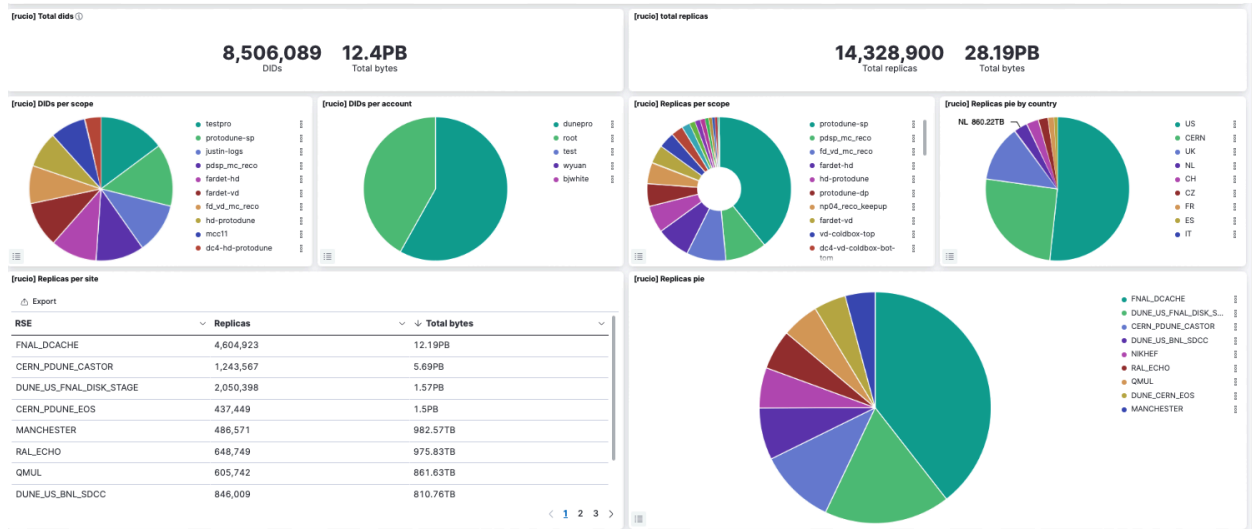
Items discussed during last production meeting:

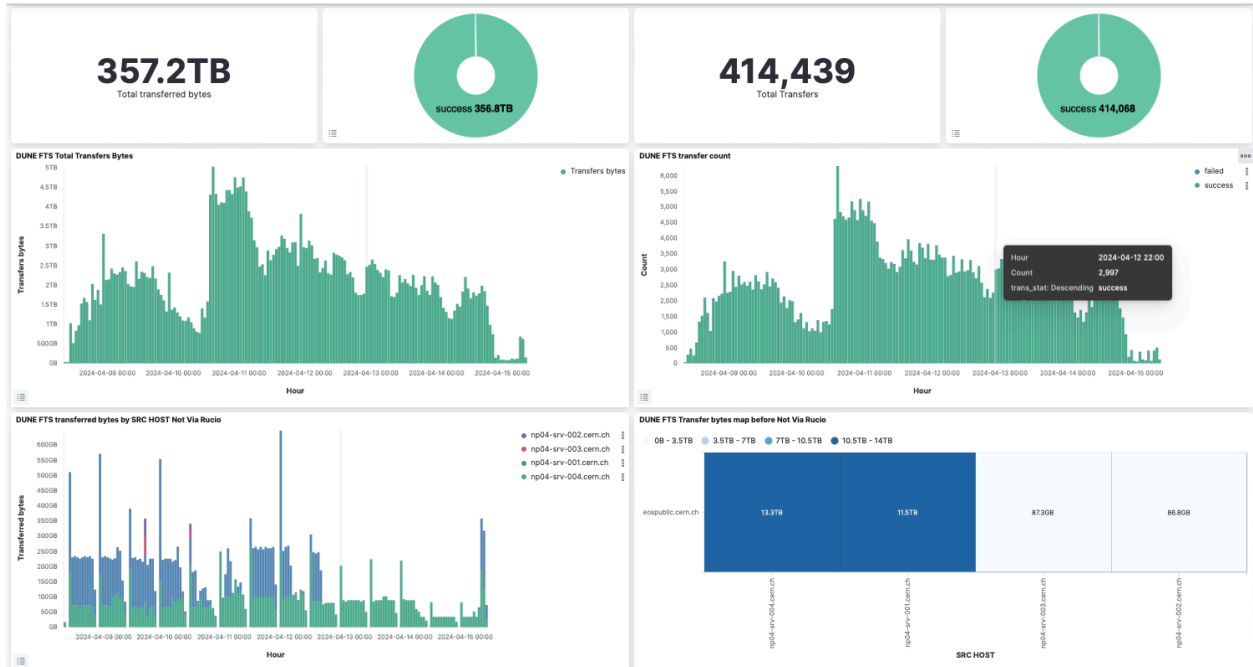
- 1) Definition of a good job: “each output file is good, and has a replica somewhere”
—> identify scripts to be used, and made them available on github (data management/production) and document of the wiki
- 2) For each workflow, get a json file with job exit code, memory usage—> needed to produce production reports

Discussion: PDHD (Calcutt) almost done. PDVD (Pennachio) soon to start.

WRT dress rehearsal—expect to start 9 AM tomorrow

Data Management graphs





Announcements of Significant Operational Issues:

Dunegpvm10-15 and dunebuild02 were upgraded to Alma9 last Tuesday.
Balance coming early May, do we have a date?

Power outage in Wilson Hall @ Fermilab April 19 (Friday) all day, nobody allowed inside.

Running Expt. Round Table

NP02: Started assembling large chimney test stand, located near the faraday cage in EHN-1.

NP04: (slightly delayed "live" cam) of NP04: <https://www.youtube.com/watch?v=FweOvhKsqam>

ArgonCube 2x2: Doing practice shifts for last week, still no LAr in the cube.

TOAD: NC

Iceberg: Contacted us, ready to send data, will discuss in tomorrow's DM meeting

DUNE Services Round Table:

Data Management: Next "Dress Rehearsal" starts tomorrow at 9 AM CDT.

Working on deploying DeclaD latest version that can understand metacat-formatted metadata before that time. Production runs of April 5-6 reproduced a problem we also saw during the DC24 data challenge, namely a rucio bug in which either the data set insertion or the replica declaration can fail and yet the rucio python API still reports success. Have filed a bug with rucio devs. Working on cleanup of those production runs.

As of last week all members of DUNE VOMS are in Rucio now.

Authentication: FNAL expects to announce the VOMS Alma9 upgrade schedule shortly.

Global Pool:

Outstanding issue of lack of support for the GPU entries. (will refer to FNAL expert)

Monitoring: Migrating to Alma 9 duneruciogpvm02

Workflow (justIN):

- Fix to MTU settings in Docker containers to match (DHCP updated??) MTU of host VMs. Fixes AWT problem below.
- justIN 01.00.01 deployed in production when Docker was restarted. This rolls up multiple hot fixes, and locks the apptainer version at 1.2 since 1.3 is incompatible with CentOS7 containers.
- Not clear how to proceed with pinning/bringonline for Fermilab tape-backed dCache
- 01.01 deployed on integration instance so people can preview changes/features. We should decide when there is a safe window to deploy this on production.

AWT/ETF: NC

AWT: <https://justin.dune.hep.ac.uk/dashboard/?method=awt-results> Dashboard was empty over the weekend ultimately due to an MTU setting preventing updates from the OSG pilot factory config in GitHub. Fixed now.

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

Networking: Alessandro Thea is presenting at EFIG this Wednesday on timescale for when 100Gbit/s link is needed to SURF.

Sites Round Table

BR-CBPF: NC
CA-Victoria: NC
CA-SFU: NC
CERN: NC
CH-BERN: NC
CZ-FZU(Prague): NC
ES-PIC+CIEMAT: NC
FR-CCIN2P3: NC
IN-TIFR: NC
IT-CNAF: NC
NL-NIKHEF/SurfSARA: NC
UK-GRID-PP:

Edinburgh: ECDF will be down 19th - 29th April, due to University data center power outage. Monitoring urls may be affected, hope we can set a temporary DNS.

Manchester: NC

RAL-Tier1: NC

RAL-PP: NC

QMUL: has booked 3 months of downtime (July 1st to September 23rd), due to QMUL Data Centre refurbishment. Unable to offer any kind of services during this downtime.

Liverpool: NC

Durham: NC

Oxford: NC

Bristol: NC

Sheffield: NC

Imperial: NC

Brunel: NC

Lancaster: NC

Other:

US-BNL: NC

US-FNAL:

Enstore/dCache: IPv6 working again, will set back to normal on 17th.. But expect rolling outages of pool node as upgrade to Alma9 go through.

Ceph migration: Most dune people have not yet copied their stuff off of /dune/data

Dunegpvm migration: either Apr 30 or May 7

Spack status: NC

Jobsub_Lite: NC

Batch Clusters: NC

Computing Access: NC

Wiki/Documentation: DOCDB people want to turn off group account/password on docdb.

Kirby: should also make sure dune communications people are in the loop.

US-HEPCloud (NERSC): GPU detection via CUDA at NERSC not working. HTCondor team has offered a GPU detection script to help diagnose the problem.

US-OSG-Opportunistic: NC

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

AOB: Petr's request for data set replication of MC is it done yet—no
FTS3 which server is DUNE using—FTS3-public.cern.ch