

DUNE Operations Meeting Week Of 2024-10-07

Call details are on <https://indico.fnal.gov/event/66269/>

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 with a status or with "NTR" (nothing to report)

Monday 7 Oct 2024

Attendance:

S. Timm, P. Clarke, E. Pennacchio, R. Illingworth, W. Yuan, J. Perry, K. Herner,

Production Calendar:

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

Production Slides:

LE production:

- 1) TypeChecker.py run on one file for each sample → ok

NOTE: ST or DB need to check the metadata to make sure ok

2) Merging tested (4 samples need merging) :

With 100 events/file, need to merge ~15 files to get 1GB file

3 workflows (3621,3643,3645) submitted with the option

--output-rse DUNE_US_FNAL_DISK_STAGE to have output files on one RSE

```
python mergeRoot.py --workflow 3643 --test --detector fardet-hd --data_tier  
hit-reconstructed --file_type mc --version v09_91_04d00
```

Results are here:

```
/pnfs/dune/persistent/users/epennacc/test_merging/workflow3621  
/workflow3643  
/workflow3645
```

Seems ok, output tested with TypeChecker.py

4) Next: check new wiki pages from Heidi

Data Management Slides:

Note from Heidi on merging.

I have gotten merging running under dunepro account. (thanks for help)

There is a wiki page that describes 3 different merging projects at:

https://wiki.dunescience.org/wiki/Production_Output_Merging_Activities

Generally fast to run, requires that files be at FNAL and online.

Outputs are moved by hand to subdirectories of:

/pnfs/dune/scratch/users/dunepro/storeme (for things we want to keep on disk)

/pnfs/dune/scratch/users/dunepro/storetotape (for keepup tuples that need to be archived)

Have hit 4000MB limit when trying to store some keepup files.

These are ready to be declared and sent to rucio.

Once that is done I can write some good validation scripts.

Announcements of Significant Operational Issues:

CERN EOS namespace servers

The namespace servers of EOS PUBLIC will be upgraded to EOS 5.2.26 on

**** Monday, Oct 7th 11:00AM CEST 2024 ****

Please see the details about this update in the following OTG:

<https://cern.service-now.com/service-portal?id=outage&n=OTG0152434>

Running Expt. Round Table

NP02: purity monitors along the corner of the cryostat installed this week

See LBNC [presentation](#) by Filippo

NP04: Post-beam tests continue. Drain scheduled for end of Oct.

ArgonCube 2x2: NC

TOAD: NC

Iceberg: NC

DUNE Services Round Table:

Data Management: Now running Rucio v35.4 server

Authentication: CILogon was wondering if rucio is not doing the token exchange itself. We are not clear yet.. The rucio server needs a particular token workflow not currently supported by cilogon. CILogon devs want to meet directly with rucio devs to figure out what is going on.

DUNE people should be in the loop.

Mine' is doing an assessment for external token providers this Friday at CSBoard (OSG and CMS)

Global Pool: Decision Engine "dpde01" is installed and pending off-site exemption approval.

Monitoring: start creating dashboards on OpenSearch Edinburgh

Workflow (justIN):NC

AWT/ETF: NC

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

Networking:

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: disk full

IN-TIFR: NC

IT-CNAF: NC

NL-NIKHEF/SurfSARA: NC

UK-GRID-PP:

Edinburgh: NC

Manchester: NC

RAL-Tier1: NC

RAL-PP: NC

QMUL: Down to the end of October

Liverpool: NC

Durham: NC

Oxford: NC

Bristol: NC

Sheffield: NC
Imperial: NC
Brunel: NC
Lancaster: NC
Glasgow: NC
Other:

US-BNL:

US-FNAL:

Enstore/dCache: Downtime next Wed 16 Oct, announcement coming shortly.. Dcache 9.2 + database upgrade

Batch Clusters: 4 gpu-enabled nodes on FermiGrid,available with jobsub now, with JustIN soon.

Computing Access: NC

Wiki/Documentation: internal.dunescience.org problem last week–had to move the backup nfs volume to a different place, this has been done.

US-HEPcloud (NERSC): Testing of DUNE NERSC entries under way

US-OSG-Opportunistic: NC

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