DUNE Operations Meeting Week Of 2023-06-12

Call details are on https://indico.fnal.gov/event/59630/

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 12 Jun 2023

Attendance

Michael Kirby, Steven Timm, Heidi Schellman, Wenlong Yuan, Elisabetta Pennacchio, Andrew McNab, Ken Herner

Production Calendar:

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

Production graphs and slides
At last week Sim/Reco, Dom and Laura announced that the production request would be submitted at some point this week.   Only 3 months before the LBNC. Once request will be

submitted will call a meeting with Laura and Dom to know what is the priority.
Discussion–Steve–data management needs to know relative size of intermediate files as well as full output
Kirby–wanted to echo–there is an acute problem. .reco/sim had put out 6 month plans to generate, validate and fully produce but they are behind schedule. Kirby will send e-mail to start discussion to have re. deadlines.

Data management graphs and slides.

Announcements of Significant Operational Issues:

Running Expt. Round Table

NP02: TDE and BDE installed, cabled and tested

NP04: NTR

ArgonCube 2x2: Stuck on firewall issues

TOAD: NC

IN-TIFR: Some internal project level changes in the recent past, but at the end of it the pledges to DUNE Computing remain unchanged - except for addition of a new resource - a GPU based compute node. We will immediately resume work on our Storage and also seek support for including the new WN with GPU. I may not be able to attend today's meeting (Nagaraj)

DUNE Services Round Table:

Data Management: Rucio backfill in progress with Igor

Authentication: NC

Global Pool: Will be used in next production.

Monitoring: NC

Workflow (justIN):
        Sites that do not support apptainer within apptainer now used for Production jobs only.
        Verifying the justIN Tutorial still works: trying to understand why I now get lar errors (88) reading some remote files sometimes. Discussion: jobsub error log files not available yet esp. For stuff running off the justin schedd.

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

Sites Round Table

BR-CBPF: NC
CA-Victoria: Auth still failing, ticket open
CA-SFU: Auth still failing, ticket open
CERN: NC
CH-BERN: NC

CZ-FZU(Prague): NC
ES-PIC+CIEMAT: NC
FR-CCIN2P3: scheduled maintenance on Tuesday, June 13th
IN-TIFR: NC
JINR: NTR
NL-NIKHEF/SurfSARA: NC
UK-GridPP:
        Edinburgh: NC
        Manchester: NTR
        RAL-Tier1: NC
        RAL-PP: NC
        QMUL: NC
        Liverpool:
        Durham: NC
        Oxford: NC
        Bristol: NC
        Sheffield: NC
        Imperial: NC
        Brunel: NC
        Lancaster: NC
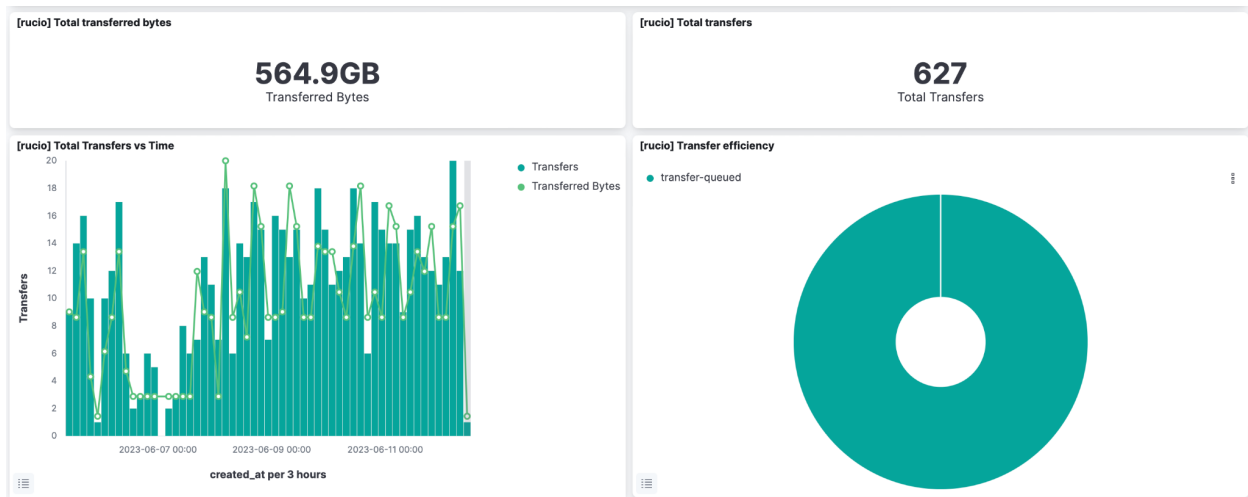   Other:
US-BNL: NC
US-FNAL:
        Enstore/dCache: NC
        Jobsub_Lite: NC

Batch Clusters: NC
Computing Access: NC
Wiki/Documentation: NC
US-HEPCloud (NERSC): NC
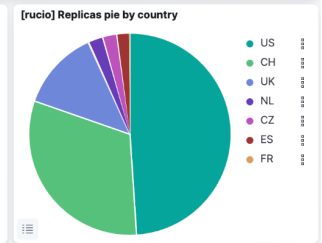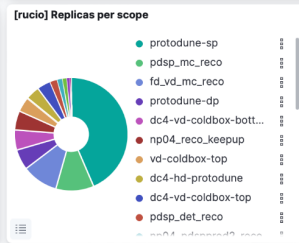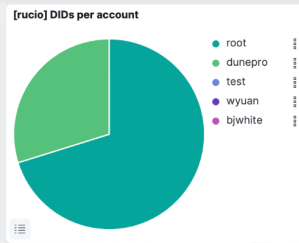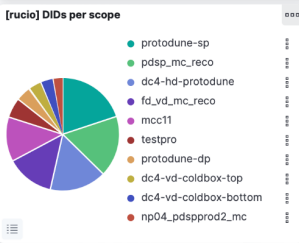US-OSG-Opportunistic: NC

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

[rucio] Total dids ⓘ

5,024,176 **10.5PB**
DIDs Total bytes

[rucio] total replicas

8,722,599 **24.3PB**
Total replicas Total bytes

[rucio] DIDs per scope

- protodune-sp
- pdsp_mc_reco
- dc4-hd-protodune
- fd_vd_mc_reco
- mcc11
- testpro
- protodune-dp
- dc4-vd-coldbox-top
- dc4-vd-coldbox-bottom
- np04_pdspprod2_mc

[rucio] DIDs per account

- root
- dunepro
- test
- wyuan
- bjwhite

[rucio] Replicas per scope

- protodune-sp
- pdsp_mc_reco
- fd_vd_mc_reco
- protodune-dp
- dc4-vd-coldbox-bott...
- np04_reco_keepup
- vd-coldbox-top
- dc4-hd-protodune
- dc4-vd-coldbox-top
- pdsp_det_reco
- np04_pdspprod2_reco

[rucio] Replicas pie by country

- US
- CH
- UK
- NL
- CZ
- ES
- FR

[rucio] Replicas per site

⬆ Export

RSE	Replicas	Total bytes
FNAL_DCACHE	3,637,779	10.59PB
CERN_PDUNE_CASTOR	1,203,215	5.52PB
DUNE_US_FNAL_DISK_STAGE	712,407	800.82TB
NIKHEF	437,780	542.34TB
CERN_PDUNE_EOS	429,205	1.47PB
MANCHESTER	424,377	968.05TB
QMUL	364,708	766.15TB
DUNE_ES_PIC	254,551	499.91TB

⟨ **1** 2 3 ⟩

[rucio] Replicas pie

- FNAL_DCACHE
- CERN_PDUNE_CASTOR
- DUNE_US_FNAL_DISK_S...
- NIKHEF
- CERN_PDUNE_EOS
- MANCHESTER
- QMUL
- DUNE_ES_PIC
- DUNE_CERN_EOS