DUNE Computing wiki

Claire David   May 9th, 2022

Resuming the work on the wiki

Status 2022

- Due to security concerns, we will NOT have a public portal ⇒ content pushed back to SSO-private DUNE wiki

  https://wiki.dunescience.org/wiki/DUNE_Computing_Wiki_Dev

- The blocks have been renamed (next slide)

This presentation

- Freeze the block / portal design
- Decide on the contact method
  - email 'dune-computing-wiki' ?
  - slack? → existing channel #computing-wiki-documentation
  - GitHub? → but it is public
- Introducing a tracking GoogleDoc for all issues/requests (last slide) internally ← people in this meeting

  Edit! GitHub project may be the solution for tracking issues/requests + version control! Link: About projects (beta)

Current DUNE Computing Wiki Dev page

ORGANIZATION & PARTNERS

About
- DUNE Computing Mission Statement
- Consortium & organizational chart

Meetings
- Core weekly meetings
- Software and Computing (Indico category) ⧉
- Computing and Software workshops

Associated collaborations
- Fabric for Frontier Experiments (FIFE)
- ESnet ⧉
- High Energy Physics Software Foundation (HSF) ⧉
- Open Science Grid (OSG) ⧉
- Worldwide LHC Computing Grid (WLCG) ⧉

COMPUTING TOOLBOX

Data
- Data access: disks, dCache
- Data management tools: rucio, SAM, ifdhc

Code
- Code access: cvmfs, GitHub, docker images
- Detector software: protoDUNE, ND, FD

Frameworks
- CAFAna
- GArSoft
- LArSoft
- Pandora
- WireCell

OPERATIONS

Online Data Taking
- ProtoDUNE Single-Phase status
- ProtoDUNE Dual-Phase status

Offline Production
- Join the production team
- Production Shifter wiki
- Production requests
- SNOW: production request
- Experiment Test Framework (ETF)

Disk and Storage Operations
- Disk and Storage Operations Wiki

WORKING GROUPS

Permanent Working Groups
- Data Challenge
- Software management
- Database
- Data management
- Workload and Workflow management
- Information system management
- Monitoring system management

Temporary Taskforce
- Framework Task Force
- Calibration Task Force ⧉

DUNE Liaisons
- Hardware Groups
- Physics Groups
- ProtoDUNE
- Far Detector
- Near Detector

GETTING STARTED

New to DUNE?
- How to join DUNE ⧉
- How to get a Fermilab account ⧉

Tutorials
- Setting up a session (FNAL and CERN)
- Getting Started Tutorial
- POMS Tutorial

Links, Tips, Tricks
- Useful links
- Security tips and tricks
- Troubleshooting

Help Desk
- DUNE Slack channel ⧉
- DUNE Computing Service Request ⧉

RESOURCES

Administration of information
- Information protection
- Data preservation

Computing documents
- DocDB category "Software and Computing" ⧉
- List of main DUNE Computing Documents

Conference talks
- List of talks and proceedings

Missing information?
- Contact the documentation team

Questions

Block: Working Groups

Current template (to be migrated over) shown
→ Validate?

Asking convener for maintenance of pages
→ Validate?
→ Validate also for taskforce?

Liaisons

What information to put here?

I would avoid names.

If mailing lists: how can people

outside of DUNE be able to contact liaisons?

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Database

Database

Contents [hide]

1 Whiteboard/latest news
2 Conveners
3 Mailing list
4 Meeting
5 Links
6 References

Whiteboard/latest news

Conveners

Mailing list

Meeting

Links

References

- Dune Data Management Plan

Categories: Working Group | Developer Area

Next steps

Migration from public → sso-private portal

- [Claire] exporting templates + existing pages from public to sso-private portal

Tracking document

Link DUNE Computing Wiki 2022 Dashboard

you will need to request access

- Ask your questions / requests
- Keep track of the progress
- Only for 'us', not the full collaboration

Edit: investigating GitHub project as issue tracker + version control

Schedule

- Will announce "work-in-progress" on a slide for the spokespersons at the beginning of the collaboration week
- Pointing everyone to the slack channel may become unmanageable.
  → dedicated wiki-issue-request tracker from GitHub?
- Most of work in May | Finalizing early June

Extra

Main Page

Main Page

MANAGEMENT

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- Worldwide LHC Computing Gri...

USER AREA

Analysis tools
- Code access: cvmfs, GitHub, d...
- Data access: disks, dCache
- Data management tools: rucio,
- Detector software (protoDUNE,

Frameworks
- CAFAna
- Dataprep
- GArSoft
- LArSoft
- Pandora
- WireCell

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- DUNE Computing Service Requ...

Data policy and preservation

Data policy and preservation

Contents [hide]
1 About
2 Policies by tiers
  2.1 Raw data tier
  2.2 Analysis data tier
  2.3 Scientific results tier
3 Resources

About

This section will describe the policies on the data collected by ProtoDUNE and DUNE, its dissemination and retention.

Policies by tiers

Raw data tier

Analysis data tier

Scientific results tier

Resources

Data Management Plan (2017)

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- Running batch and grid jobs
- How to modify and build code
- Useful links

How-tos
- Run batch jobs
- Finding data
- Storing data
- Running code on distributed computing
- Security tips and tricks
- Troubleshooting

DOCUMENTATION

Administration of information
- Information protection
- Data policy and preservation

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MediaWiki:Breadcrumbs

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- 🔒 Disk and Storage O...ns Wiki

DEVELOP...A

Software development
- ...ware management
- Framework Task Force

Service development
- Database
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- Workload and Workflow management
- Information system management
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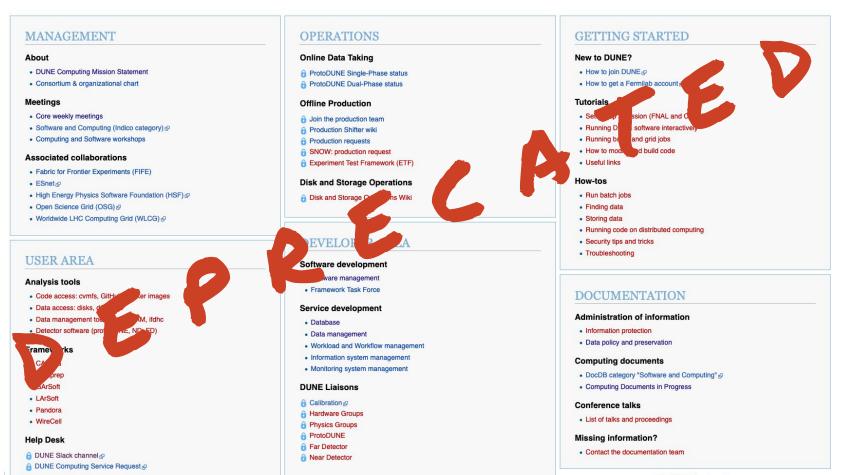- Computing Documents in Progress

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Claire David

DEPRECATED

DUNE-Computing (public) wiki

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done

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need help

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need to define a template

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almost (Ken?)

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template ok (feedback appreciated)

maintenance done by conveners

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I will update that part

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more clues after the CDR

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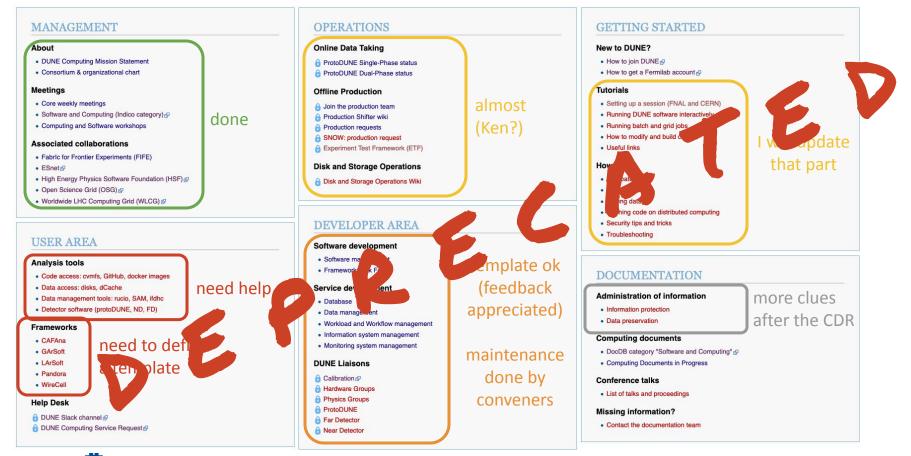- List of talks and proceedings

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DEPRECATED