



DUNE Computing: feedback on wiki

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Links

Wiki link: https://computing-wiki.dunescience.org/wiki/Main_Page

Criticize here: [GoogleDoc](#) (preferably with the comment feature)

Thanks to those who sent feedback!

Reorganization

DUNE computing and software activities reorganized into three pillars:

Management

Operations

Development

Right now

COMPUTING CONSORTIUM

About

- [DUNE Computing Mission Statement](#)
- [Organizational chart](#)

Meetings

- [Core weekly meetings](#)
- [Software and Computing \(Indico category\)](#)
- [Computing and Software workshops](#)

Documentation

- [Technical Design Report, Vol I \(Feb. 2020\)](#)
- [Conference talks and proceedings](#)

Contact

- [Mailing lists](#)
- [Write to us](#)

DUNE'S COMPUTING MODEL

Data

- [DUNE's Data Model and Object definitions](#)
- [SAM data catalog](#)
- [ProtoDUNE's data](#)

Access to code

- [GitHub repositories](#)
- [Docker images](#)

ACTIVITIES

Working groups

- [ProtoDUNE liaison](#)
- [Near Detector](#)
- [Software Management](#)
- [Database](#)
- [Workflow](#)
- [Networking](#)
- [Data Quality](#)
- [Data management](#)
- [Production](#)

Task Forces

- [Software Framework Requirements Task Force](#)

SOFTWARE PROJECT

Detector software

- [Far Detector Software](#)
- [Near Detector Software](#)
- [ProtoDUNE Software](#)

Argon-based software

- [Art Project](#)
- [LArSoft](#)
- [GArSoft](#)

Reconstructing interactions

- [CAFAna](#)
- [Pandora](#)

GETTING STARTED

New to DUNE?

- [How to join DUNE](#)
- [How to get a Fermilab account](#)
- [Getting Started Tutorial](#)

Specific How-To Documentation

- [Setting up a session \(FNAL and CERN\)](#)
- [Building and running code interactively](#)
- [Finding data](#)
- [Storing data](#)
- [Running code on distributed computing](#)
- [Security tips and tricks](#)
- [Troubleshooting](#)

List of past tutorials

- [List of past DUNE Tutorials, LArSoft and FIFE Workshops](#)

DISTRIBUTED COMPUTING

Sites

- [List of DUNE's sites](#)
- [Monitoring tools](#)

Tools

- [Stash Cache](#)
- [DUNE and Rucio](#)

Collaborations

- [DUNE and the Worldwide LHC Computing Grid](#)
- [Fabric for Frontier Experiments \(FIFE\)](#)

Suggestion

Iterating for now on the 'big blocks' of the main computing page

MANAGEMENT

OPERATIONS

EXPERIMENT SOFTWARE
DEVELOPMENT

SERVICE DEVELOPMENT

GETTING STARTED

MEETINGS & CONTACT

Suggestion

Iterating for now on the 'big blocks' of the main computing page

MANAGEMENT

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GETTING STARTED

MEETINGS & CONTACT

- where to put the list of working groups (previous "Activities" block)
- List of meetings + mailing lists on the contact block? (public?)
- show the private links with a lock (to warn newcomers on accessible/public links)

Exploit MediaWiki features

- sidebars
- categories
- templates

Example: DayaBay [wiki](#)

Categories

- Instead of manual links ⇒ top-down, pre-defined tree
 - MediaWiki categories provide a more generalized, automatic & organically grown hierarchy
- Categories can be named after "working group", and/or "documentation" and/or "analysis" and/or "tools", etc.

Templates

- Can allow some often-used elements to be invoked more easily by authors
- Common header for pages + incorporate the category tag(s)

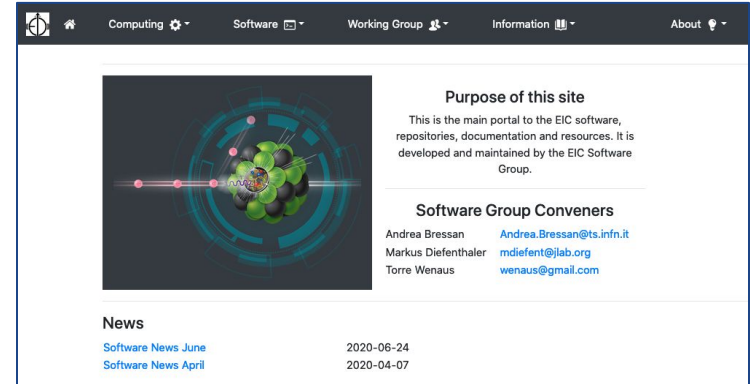
Static website generator (e.g. Jekyll)

Very useful and highly customizable tool for software and other documentation effectively serving as a content management system.

E.g. prototype for EIC: <https://eic.github.io/>

Pros

- it's git-friendly: robust & familiar & transparently supported and hosted by GitHub
- authoring documents in the Markdown format is trivial
- one can create structured data (via JSON and YAML) which is parsed into pages/templates in many configurable ways; (not sure on MediaWiki but trivial in Jekyll)
- easy and flexible templates for pages
- complete freedom of styling etc
- security



Summary

1. Which features do we want to use?
2. Settle on the main 'blocks'
3. Work on each block content