

DuneDAQ v2.3 and v2.4 releases

High-level goals for Mid March

- ▶ Support for FELIX readout and timing system setup/monitoring
- ▶ Multi-process MiniDAQ setup: configuration and operations

Strategy

- ▶ Split the development into two stages
 - dunedaq v2.3: build tools, core packages, external dependencies
 - dunedaq v2.4: minidaq, trigger emulator, timing app, run control

Timeline

- ▶ v2.3 release: (today/this week on CVMFS)
- ▶ v2.4 release: March 15



Packages by release

dunedaq v2.3

Package	TAG (provisional)
daq-buildtools	v2.1.1
moo	v5.5
felix	v1.1.0
daq-cmake	v1.3.1
ers	v1.1.0
logging	v1.0.1
cmdlib	v1.1.0
restcmd	
opmonlib	v1.0.0
rcif	v1.0.0
appfwk	v2.2.0

dunedaq v2.4

Package

- run control
- listrev
- ipm
- serialization
- dfmessages
- dataformats
- readout
- dfmodules
- flxlibs
- nwqueueadapters
- timing-board-software
- timing
- trigemu
- minidaqapp



Highlights on tools and packages for v2.3

- **daq-builtools**
 - ▶ Consolidation and bug fixes;
- **daq-cmake**
 - ▶ Improved integration with moo - code generation decoupled from plugins;
 - ▶ Consolidation of schema files organization in package;
- **moo**
 - ▶ Minor bugfixes;
- **externals**
 - ▶ felix - minimal build of the felix software for integration with readout;
- **packages**
 - ▶ ers - was an external, now converted in a standard dunedaq package;
 - ▶ Tools in place to create release tarballs for building/running DAQ release without access to cvmfs;
 - UPS and python packages



Highlights on tools and packages towards v2.4

- **Documentation system**
 - ▶ Aiming serving all release-level documentation from a single central place;
 - ▶ Prototype based on markdown/mkdocs in preparation;
- **cvmfs:**
 - ▶ New cvmfs repos dedicated for dunedaq is under preparation
 - **dunedaq.opensciencegrid.org** and **dunedaq-development.opensciencegrid.org**
 - ▶ Factorising production and development areas
 - dunedaq-development repo hosting nightly/development release and sandbox directory.
 - <https://github.com/DUNE-DAQ/daq-release/issues/50>
- **CI:**
 - ▶ Created an organization wide CI workflow template for C++ repos' develop branch (no ready for use yet)
 - ▶ Several CI workflow templates will be provided (develop, upstream pkgs, downstream pkgs, frozen release)
- **Night/develop builds:**
 - ▶ Currently still a piloting feature, resides under sandbox directory in cvmfs - nightly release tag with 20/30 days retention policy;

