

Draft

Notes for DAQ on-call training on 10-Feb-2020.

General

- trainees should confirm that they can log into the DAQ cluster as np04daq before the training
- as much as possible, training should take place in the control room and be a "hands on" introduction
- reminder that on-call experts are first-level support, and it's OK to contact others for help

Topics:

- elog - <https://pdsp-elog.cern.ch/elisa/display>
- Slack channel(s) - <https://dunescience.slack.com/#np04-shifterassistant>
- intro to documentation on the TWiki - <https://twiki.cern.ch/twiki/bin/view/CENF/DUNEProtSPDAQ>
- introductory diagram - RC, DAQInterface, BRs, EBs, RM/DFO, InhibitMaster, OnMon; storage servers, data disks, FTS-Light
- log into np04daq and run 'np04-status.sh'
- checking FELIX health - https://twiki.cern.ch/twiki/bin/view/CENF/FelixBasicOp#flxHealth_FELIX_Health_diagnosti
- checking Timing System health - https://twiki.cern.ch/twiki/bin/view/CENF/TimingSystemAdvancedOp#Essential_recovery_guide
- running Run Control (partitions, taking/releasing resources, monitoring plots, force shutdown, sending Timing Delays)
- individual transitions (e.g. config of WIB)
- log files - individual application windows in Run Control (also `/log/ application type` on each computer, where *application type* is e.g. boardreader or eventbuilder)
- intro to configurations, including editing: <https://twiki.cern.ch/twiki/bin/view/CENF/TextConfigEditorP1>
- checking the source of Inhibits - open the InhibitMaster window in Run Control
- "ps" command for finding rogue processes
- finding processes on computers (individual process page in RC, log area in main RC screen, ranks.txt file in run_records area)
- run_records area (`/nfs/sw/artdaq/run_records/ run number`)
- intro to software areas
- VNC session through lxplus
- slow controls web interface: <http://np04-slow-control.web.cern.ch/np04-slow-control>

-- KurtBiery - 2020-02-10

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