

Updates

Allen Pierre-Louis, 2/2/2024

CODA installed

The CODA DAQ system is installed on our computer downstairs so we currently have both RCDAQ and CODA running. I have provided a step by step tutorial on the E-Log to learn how to install CODA in the future.

CODA E-Log entry

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Category:	DAQ System
Subject:	CODA Installation Guide

I have used the CODA3 installation guide listed here:

<https://coda.jlab.org/drupal/system/files/coda/3.10/walkthrough/index.html>

STEPS:

- 1 make "coda" directory
- 2 download and install coda tar
- 3 download and installjdk
- 4 go into coda directory
- 5 git clone coda_scripts from github link provided
- 6 Use emacs or vim or some text editor to modify coda_scripts/setupCODA3.bash

(Step 6 is different than what is written in the provided instructions which reads coda_scripts/setupCODA.bash. The author didn't write setupCODA3.bash which is the correct line)

- 7 When modifying the bash file, when it says "export REMEX_CMSG_HOST=dharma.jlab.org" in line 13, replace "dharma" with your own computer user
- 8 Copy CODA component table to the end of the setupCODA3.bash file and again replace "dharma" with your own computer user
- 9 Type: "source \$HOME/coda/coda_scripts/setupCODA3.bash"
- 10 Type: "jcedit"

The COOL environment should pop up and you are ready to interface.

Notes:

I had originally not nested the "coda scripts" folder and the coda3.arm into a directory called "coda". I made them all their own directories. Simply downloading the right parts isn't enough, this is a pretty path dependent process.

Please create a "coda" directory that contains "codascripts"

Future Developments

More software challenges await and hardware installation to interface with CODA await (VME crate etc). Coding with Jaydeep on clustering algorithm.