

Dead USB daisy chains write empty data files, so you can identify some CRT hardware problems by looking at the sizes of the files the backend writes.

## Check for Empty Backend Files

1. LogIntoCRTServer
2. `ls -lathr ~np04daq/crt/readout_linux/DataFolder/binary/`
3. Any file with a 0 in the 5th column is empty. Typical healthy file sizes are of the order of 2-5MB
4. Figure out which daisy chain is causing a problem. File names look like 1542138712\_14 where 1542138712 is the UNIX timestamp roughly when the backend started writing to the file and 14 is the daisy chain that wrote this file.

## File Size Monitor

Watches for 0-size files and prints a message to the command line if it finds any. Useful during an ongoing stand-alone run.

1. LogIntoCRTServer if not already done
2. `source /nfs/sw/crt/readout_linux/script/setup.sh` #You probably already did the first 2 steps if you've started a stand-alone run
3. `keep_checking_file_size.sh`

-- AndrewPaulOlivier - 2018-11-14

---

This topic: CENF > CheckForDeadUSBs  
Topic revision: r1 - 2018-11-14 - AndrewPaulOlivier



Copyright &© 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.  
or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback