

artdaq Utilities - Support #21225

boot.txt files in simple_test_configs should be immediately usable

10/24/2018 03:13 PM - Eric Flumerfelt

Status:	New	Start date:	10/24/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Experiment:	-	Co-Assignees:	
Description			
Currently, all of the boot.txt files in the simple_test_config directories contain the line DAQ setup script: <yourArtdaqInstallationDir>/setupARTDAQDEMO which makes them invalid for use. It might be better to make that DAQ setup script: \${yourArtdaqInstallationDir}/setupARTDAQDEMO and add \$yourArtdaqInstallationDir=\$PWD to run_demo or just_do_it...			

Associated revisions

Revision 05076a31 - 12/19/2018 01:43 PM - John Freeman

JCF: replace <yourArtdaqInstallationDir> with \$yourArtdaqInstallationDir in simple_test_config's boot.txt files

Motivated by Issue #21225, it's now the case that if yourArtdaqInstallationDir is set as an environment variable to the base path of an artdaq-demo installation (i.e., a path which contains setupARTDAQDEMO), then DAQInterface will immediately understand the boot files in the various configurations since these boot files now use this environment variable rather than the non-interpretable token "<yourArtdaqInstallationDir>"

Please note that since the os.environ dictionary is set in Python on program startup, that if you wish to change the value of "yourArtdaqInstallationDir" you'll want to first kill DAQInterface, set the value, then start a new DAQInterface instance.

History

#1 - 10/24/2018 04:30 PM - John Freeman

Interesting idea. If we do this, I'll want to make sure that DAQInterface, when it saves the boot file in the run records, expands environment variables first. In other words, that if we check back later to look at what happened during a run, in the saved boot file we'd see something like:

```
DAQ setup script: /home/yourname/your_artdaq-demo_installation/setupARTDAQDEMO
```

rather than

```
DAQ setup script: ${yourArtdaqInstallationDir}/setupARTDAQDEMO
```

...otherwise we'll lose the record of what setup script was actually used.

#2 - 10/25/2018 05:02 PM - John Freeman

Commit 8241815637851b7348b0b8a4df7875900dadb189 on DAQInterface's develop branch implements my idea above.

#3 - 10/29/2018 05:10 PM - John Freeman

With commit 6707208cb1003af0c38f8b56cfacf1a73560bdd on artdaq-demo's develop branch, the user sourceme file from the DAQInterface package gets edited in quick-mrb-start.sh so that a boot file which assigns the DAQ setup script like so:

```
DAQ setup script: $yourArtdaqInstallationDir/setupARTDAQDEMO
```

will work without any need for edits.