

artdaq Utilities - Bug #24053

Nonsending boardreader FHiCL broken

02/13/2020 07:55 PM - John Freeman

Status:	Closed	Start date:	02/13/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Experiment:	-	Co-Assignees:	
Description			
<p>In \$ARTDAQ_DAQINTERFACE_DIR/simple_test_config/subconfigs, there are FHiCL documents meant to configure ToySimulators which don't send fragments. They contain the line:</p> <pre>generated_fragments_per_event: 0</pre> <p>...which is how to communicate to DAQInterface that it should expect a number of fragments other than "1" per event from a boardreader.</p> <p>It <i>also</i> used to be the case that setting this parameter would actually cause artdaq-demo's ToySimulator to send as many fragments as were specified. However, with artdaq-demo commit 9de984abba56e0b80e72717783dc811f0bc47cd0 from November 30, 2018, this no longer appears to be the case. The nonsending boardreader FHiCL documents should be changed accordingly.</p>			

Associated revisions

Revision 9a0f0afe - 02/19/2020 04:02 PM - John Freeman

JCF: Issue #24053: Fix the FHiCL for the nonsending boardreaders

History

#1 - 02/19/2020 04:16 PM - John Freeman

- % Done changed from 0 to 100

- Status changed from New to Resolved

Resolved with commit 9a0f0afe32f3c6baf7680dcb435a56fa842a1621 on feature/issue24053_nonsending_boardreaders. The change is quite simple; since ToySimulator no longer uses generated_fragments_per_event to determine how many fragments to send but instead uses the fragment_ids list, I've added "fragment_ids: []" to the FHiCL.

In order to test this, before launching DAQInterface but after setting up the DAQInterface environment you'll want to set

```
export DAQINTERFACE_KNOWN_BOARDREADERS_LIST=$ARTDAQ_DAQINTERFACE_DIR/simple_test_config/subconfigs/known_boardreaders_list_example.mu2edaq
```

and then you'll want to make sure that "subconfigs/component_special" is part of your subconfig list (see Issue [#21226](#) for more on subconfig lists). E.g., I ran

```
just_do_it.sh ./boot.txt 0 --config "subconfigs/component_nonsending subconfigs/component_push subconfigs/component_special subconfigs/dataloggers subconfigs/dispatchers subconfigs/eventbuilders subconfigs/metrics_disabled subconfigs/routingmaster_disabled" --comps "component01 component02 component03 component04 component05 component06 component2001 component2002 component2003"
```

#2 - 11/30/2020 12:33 PM - Eric Flumerfelt

- Status changed from Resolved to Closed