

artdaq Utilities - Bug #23147

just_repeat_run.sh doesn't care what node localhost refers to

08/20/2019 09:56 AM - John Freeman

Status:	Reviewed	Start date:	08/20/2019
Priority:	Normal	Due date:	
Assignee:	John Freeman	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Experiment:	-	Co-Assignees:	Eric Flumerfelt
Description			
Right now, just_repeat_run.sh refuses to run without the "--nostrict" option if:			
<ul style="list-style-type: none">• The artdaq-based code has been changed since the run to be repeated• The known boardreaders list pointed at by DAQINTERFACE_KNOWN_BOARDREADERS_LIST is different than the list used during the run to be repeated			
However, just_repeat_run.sh doesn't care if you're running DAQInterface on a different host than when the original run was performed. This can be problematic since it means that "localhost" refers to a different node than when the original run was performed. just_repeat_run.sh should account for this, and possibly require --nostrict if users try to repeat a run while running DAQInterface on a different node than was used for the original run.			

Associated revisions

Revision 094f9734 - 10/20/2019 08:12 PM - John Freeman

JCF: Issue #23147, improvements to just_repeat_run.sh

The main complaint in the issue, that just_repeat_run.sh didn't care if DAQInterface is being run on a host different than the one it ran on during the run-to-be-repeated, is addressed in that this difference is treated the same as a code difference or a known boardreaders list difference: it won't run unless --nostrict is selected.

However, I've improved the output in that now, even if --nostrict HAS been selected, all deviations are printed out. This prevents a scenario in which someone selects --nostrict because they don't care about one particular deviation, and then other deviations they may care about get suppressed.

History

#1 - 10/21/2019 12:25 PM - John Freeman

- % Done changed from 0 to 100
- Status changed from New to Resolved

Now, if you execute just_repeat_run.sh on a node different than the node DAQInterface was on when the run you're trying to repeat was performed, you'll see a message like the following, which is self-explanatory:

```
Checking that DAQInterface is being run on the same host as was used for run 2993...
A difference was found between the host DAQInterface was run on for
run 2993 (mu2edaq11.fnal.gov) and the host you're
currently on (mu2edaq13). Consequently, any artdaq
process specified to run on "localhost" in either the boot file or the
known boardreaders list won't run on mu2edaq11.fnal.gov,
unlike run 2993. Unless you're running this script with the
--nostrict option, this attempt to repeat run 2993 will not
proceed.
```

#2 - 10/22/2019 08:29 AM - Eric Flumerfelt

- Status changed from Resolved to Reviewed
- Co-Assignees Eric Flumerfelt added

While trying to test this against an old run I had lying around, I got the following notification:

```
A difference was found between the host DAQInterface was run on for
run 2 (/home/eflumerf/Desktop/artdaq-mrb-base/DAQInterface) and the host you're
currently on (ironwork.fnal.gov).
```

Otherwise, code checks out, feature works correctly.

#3 - 10/22/2019 09:36 AM - John Freeman

Thanks for taking a look. Around a week ago I updated DAQInterface so it would prepend the host in front of the working directory as saved in metadata.txt, so if you try to repeat new runs, the script will say something along the lines of

```
A difference was found between the host DAQInterface was run on for
run 2 (mu2edaq13) and the host you're
currently on (ironwork.fnal.gov).
```

which is a bit more helpful in that it actually tells you **what** the host was for the old run.