

artdaq Utilities - Idea #21496

Support hexadecimal values in settings_example

12/06/2018 02:33 PM - Eric Flumerfelt

Status:	Resolved	Start date:	12/06/2018
Priority:	Normal	Due date:	
Assignee:	John Freeman	% Done:	100%
Category:	artdaq-daqinterface	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Experiment:	-		
Description			
I tried setting max_fragment_size_bytes to 0x10000 in settings_example, but got an error from DAQInterface complaining about base-10. It might be nice to support setting some parameters in hex...			

Associated revisions

Revision cfd90448 - 12/13/2018 04:40 PM - John Freeman

JCF: resolve Eric's Issue #21496 by allowing hexadecimal values for the max_fragment_size_bytes parameter in the DAQInterface settings file

Instead of a decimal value (e.g., 1024000) a hexadecimal value such as 0xfa000 or 0xFA000 can be used. For good measure / consistency, extend this feature to the value used for the max_fragment_size_bytes FHiCL parameter when advanced memory usage is selected.

History

#1 - 12/13/2018 04:49 PM - John Freeman

- Status changed from New to Resolved

- % Done changed from 0 to 100

With commit cfd9044873b6a742d8427feb1da20f32eac1ffd1 on the develop branch, this request is satisfied. Now, values assigned to max_fragment_size_bytes which begin with an "0x" are understood by DAQInterface to be hex values. E.g.,

```
max_fragment_size_bytes: 0xfa000
```

or

```
max_fragment_size_bytes: 0xFA000
```

are equivalent to

```
max_fragment_size_bytes: 1024000
```

...as I've confirmed with runs 1754 (1024000), 1755 (0xfa000) and 1759 (0xFA000) on mu2edeq01 (see mu2edeq01:/home/jcfree/run_records for details).

Note that with this commit, this hexadecimal support extends to the values of max_fragment_size_bytes in individual boardreader FHiCL documents when advanced memory usage is selected.