

artdaq - Feature #20581

Have DAQInterface set the max fragment size in the transfer plugins according to the upstream fragment generator type

08/09/2018 10:28 PM - John Freeman

Status:	Resolved	Start date:	08/09/2018
Priority:	Normal	Due date:	
Assignee:	John Freeman	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Co-Assignees:	
Experiment:	-		

Description

During bookkeeping, DAQInterface currently sets the max fragment size in the transfer plugins for the eventbuilder's sources table to the same value across all transfer plugins; this max fragment size is set in the file referred to by the DAQINTERFACE_SETTINGS environment variable. As discussed in Issue [#20580](#), however, different fragment generator types generally have different max fragment sizes, and unnecessary space is wasted if even transfer plugins connecting boardreaders which produce tiny fragments to eventbuilders have their max fragment size set to the largest possible value across `_all_boardreaders`. It would be good if DAQInterface could perform bookkeeping such that the max fragment size for a transfer plugin reflected the type of fragment generator in the boardreader that transfer plugin connects to an eventbuilder.

History

#1 - 08/20/2018 01:27 PM - John Freeman

- Status changed from New to Resolved

With commit `aedb91a11294b8361a0e5099fca0cb6d0d63070f` on the develop branch, this feature is now available, assuming that we have the line `advanced_memory_usage: true` set in the file referred to by the DAQINTERFACE_SETTINGS environment variable.