

artdaq - Idea #5999

Investigate the possibility of running compression, etc. in a BoardReader

04/23/2014 09:45 AM - Kurt Biery

Status:	New	Start date:	04/23/2014
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Under Consideration	Estimated time:	40.00 hours
Target version:			
Experiment:			
Description			
<p>When we talked with the folks from the Muon g-2 experiment some time ago, we learned that they are planning to compress and/or zero-suppress their data before event building. (They will use MIDAS, not <i>artdaq</i>.) They can do this because they don't need full events to compress or zero-suppress.</p> <p>At the moment, the natural place to run compression in <i>artdaq</i> is in <i>art</i> modules in the EventBuilder processes. However, there may be a need in future experiments to allow for functionality like that in the BoardReader processes so that we are not sending as much data over the network. We should investigate what would be needed to do this.</p> <p>The initial time estimate that I'm putting in this Issue is simply for some initial discussions.</p>			

History

#1 - 01/13/2017 04:15 PM - Eric Flumerfelt

- Category set to Under Consideration

- Target version deleted (577)