artdaq - Idea #5994

Investigate the possibility of using DDS from RTI for data transfers

04/22/2014 02:23 PM - Kurt Biery

Status:	Assigned		**Start date:**	04/22/2014
Priority:	Normal		**Due date:**	
Assignee:	John Freeman		**% Done:**	90%
Category:	Additional Functionality		**Estimated time:**	40.00 hours
Target version:				
Experiment:				

Description

Jim's group is working with RTI on an SBIR that includes adding use cases to their DDS implementation that might match the high-rate data transfer that is needed in a DAQ system.

We should investigate whether this is feasible and/or reasonable.

The initial amount of hours that I'm estimating for this task (40) is just for some initial discussions.

History

#1 - 01/11/2017 10:22 AM - Eric Flumerfelt

- Status changed from New to Assigned

- Assignee set to John Freeman

- % Done changed from 0 to 90

I believe that as of *artdaq* v2_00_00, the RTIDDS_transfer plugin can be used for primary data movement. However, I'm leaving this one a little bit open because I don't think this transfer plugin has ever been tested for this usage. We should do these tests and ensure that the transfer plugin is capable of running at the rates necessary.

#2 - 01/13/2017 04:15 PM - Eric Flumerfelt

- Category set to Additional Functionality

- Target version deleted (577)