

artdaq - Bug #24262

DataLogger stop transitions take a ****long**** time in v3_08_00

04/02/2020 12:22 PM - Eric Flumerfelt

Status:	Closed	Start date:	04/02/2020
Priority:	Normal	Due date:	
Assignee:	Eric Flumerfelt	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	artdaq v3_09_00	Co-Assignees:	
Experiment:	-		
Description			
While testing across multiple nodes on the mu2edeq cluster, I have noticed that the DataLogger process can take an extremely long time (~530 seconds) to successfully stop. This may be related to #24242 , but nevertheless should be investigated.			
Related issues:			
Related to artdaq - Bug #24242: Dispatcher responds "busy" in subrun_example		Closed	03/27/2020

History

#1 - 04/02/2020 12:22 PM - Eric Flumerfelt

- Related to Bug #24242: Dispatcher responds "busy" in subrun_example added

#2 - 04/14/2020 03:20 PM - Eric Flumerfelt

- Assignee set to Eric Flumerfelt

- Status changed from New to Resolved

I've made several changes in artdaq:bugfix/24262_ArtdaqSharedMemoryService_StopConditions and artdaq-core:bugfix/24262_SharedMemoryEventReceiver_LimitExponentialBackoff, which seem to mitigate this issue on mu2edeq{12,11,14} using the mediumsysteM_with_routing_master configuration for 5 one-minute runs.

#3 - 04/14/2020 03:26 PM - Eric Flumerfelt

There are two major changes made in the artdaq branch: EndOfData Fragments are passed into ArtdaqInputHelper, which uses them to determine if the run has ended before an init fragment was received, and TCPsocket_transfer changes to improve the reliability when TCP sockets are disconnected and reconnected.

#4 - 07/24/2020 02:05 PM - Eric Flumerfelt

- Target version set to artdaq v3_09_00

- Status changed from Resolved to Closed