

## artdaq - Support #23386

### Support for MPI transfers in artdaq v3

10/07/2019 11:43 AM - Eric Flumerfelt

<b>Status:</b>	New	<b>Start date:</b>	10/07/2019
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Eric Flumerfelt	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Co-Assignees:</b>	
<b>Experiment:</b>	-		
<b>Description</b>			
<p>In artdaq v3 systems, art is started at begin run time, instead of at program start. This means that mpirun cannot be used to start all of the processes in an artdaq system, which in turn means that transfers from art processes to downstream artdaq processes cannot use MPI. There is support in the MPI standard for connecting to processes after program start, which should allow MPI transfer to work under these conditions.</p>			