

## artdaq - Bug #4083

### Need to verify signal masking in multi-thread applications

06/12/2013 03:26 PM - Christopher Green

<b>Status:</b>	Closed	<b>Start date:</b>	06/12/2013	
<b>Priority:</b>	Normal	<b>Due date:</b>		
<b>Assignee:</b>		<b>% Done:</b>	0%	
<b>Category:</b>	Needed Enhancements	<b>Estimated time:</b>	60.00 hours	
<b>Target version:</b>	artdaq v3_00_01	<b>Co-Assignees:</b>		
<b>Experiment:</b>				
<b>Description</b>				
It is important to make sure that signal masks are properly directed to the threads of an application best equipped to deal with them ( e.g. art).				
<b>Related issues:</b>				
Related to ds50daq - Feature #3958: Continue running when online monitoring i...		<b>New</b>	<b>05/29/2013</b>	
Related to art - Feature #4356: Document the pattern that artdaq applications...		<b>Closed</b>	<b>07/17/2013</b>	<b>07/31/2013</b>
Related to art - Feature #4355: Document and verify the signal handling withi...		<b>Closed</b>	<b>07/17/2013</b>	<b>07/31/2013</b>

#### History

##### #1 - 04/21/2014 09:56 AM - Kurt Biery

- Target version set to 576
- Estimated time set to 60.00 h

We should look into what is needed (for example, see Issues [#4355](#) and [#4356](#)) and make the appropriate changes in artdaq.

It's probably documented in the related Issues, but a major driver for this issue was the desire to avoid having problems in online monitoring code (contributed by users) bring down the full DAQ [when we are still in the model of having the online monitoring Aggregator as part of the MPI program].

##### #2 - 04/21/2014 02:23 PM - Kurt Biery

Part of the changes related to this Issue may include "implementing an MPI wrapper or watchdog to complement the signal handling improvements and allow MPI to correctly terminate processes when one has exited abnormally." [Chris, 12-Jul-2013]

##### #3 - 01/13/2017 04:23 PM - Eric Flumerfelt

- Category set to Needed Enhancements
- Target version deleted (576)

##### #4 - 01/27/2018 12:18 PM - Eric Flumerfelt

- Status changed from New to Closed
- Target version set to artdaq v3\_00\_01

This is mostly no longer applicable to artdaq v3. art is run as a separate process, and therefore handles its own signals without affecting its parent artdaq process.