

artdaq - Feature #20569

Status monitoring display

08/09/2018 08:30 AM - Eric Flumerfelt

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| Status: | Work in progress | Start date: | 08/09/2018 |
| Priority: | Low | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | Additional Functionality | Estimated time: | 0.00 hour |
| Target version: | | Co-Assignees: | |
| Experiment: | - | | |
| Description | | | |
| <p>We should have some sort of display that interacts with artdaq and collects information about the state of the system (via metrics, request messages, routing tables, etc), and creates live, easy-to-understand displays outlining the health of the system.</p> <p>For BoardReaders, this display should track things like the data buffer size, the Routing Table size, and the number of outstanding requests or the current Sequence ID.</p> <p>For EventBuilders, this should track the state of the buffers, the art process event-uptake time, and the number of events routed to that EB.</p> <p>DataLoggers and Dispatchers would have similar things to the EventBuilder.</p> | | | |
| Related issues: | | | |
| Related to artdaq Utilities - Idea #5976: Provide graphical monitoring that s... | | | New 04/21/2014 |

History

#1 - 11/07/2018 09:28 AM - Eric Flumerfelt

- Related to Idea #5976: Provide graphical monitoring that shows the state of all of the buffers and queues in the system added

#2 - 11/07/2018 09:29 AM - Eric Flumerfelt

Started design notes page: [Status Monitoring GUI](#)

#3 - 01/30/2019 10:22 AM - Eric Flumerfelt

I have created a simple display that dynamically creates a page for each artdaq application, with strip charts for each metric.
artdaq-utilities-node-server/feature/StripChartForEachMetric

#4 - 01/30/2019 10:23 AM - Eric Flumerfelt

I am also working on a "System Overview" page, which would show the processes, the connections between them, and have some indication of the activity of the nodes and the links.

Work-in-progress on artdaq-utilities-node-server/feature/SystemOverviewPage

#5 - 01/30/2019 02:25 PM - Eric Flumerfelt

- Status changed from New to Work in progress