artdaq - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
3186	Feature	Resolved	Normal	Add fragment ID checking to some combination of RawEvent, EventStore, and builder.cc.		01/21/2021 02:22 PM
5984	Feature	New	Normal	Implement the "report" functionality infrastructure		01/13/2017 04:35 PM
5987	Feature	New	Normal	Provide a way to determine the allowed transitions from the state machine dynamically		01/13/2017 04:33 PM
6463	Feature	New	Normal	Investigate whether FragmentGenerator state change methods should return a status code		01/13/2017 04:13 PM
6992	Feature	New	Normal	Develop test procedures and documents for SQA		03/21/2019 11:43 AM
6995	Feature	New	Normal	Document development procedures for SQA		01/13/2017 04:02 PM
6996	Feature	New	Normal	Add documentation for basic operation and common errors for SQA		01/13/2017 04:02 PM
7586	Feature	New	Normal	Add functionality and tools to artdaq for diagnosing and debugging DAQ hardware and firmware		01/27/2018 12:31 PM
15017	Feature	Work in progress	Normal	Create JCOP Metric Plugin	Wesley Ketchum	05/08/2017 08:08 AM
15619	Feature	New	Normal	Include scripts to help determine correct value for TCP receive buffers	Ron Rechenmacher	02/21/2017 02:27 PM
16150	Feature	New	Normal	Implement fadvise dont need for ROOT data output (DirectIO)	Ron Rechenmacher	04/11/2017 11:02 AM
16515	Feature	Resolved	Normal	Get DAQInterface to automatically launch online monitoring	John Freeman	05/16/2017 04:46 PM
16635	Feature	Resolved	Normal	Have the DAQInterface configuration file support arbitrary numbers of data loggers and dispatchers.		05/23/2017 02:23 PM
16637	Feature	Resolved	Normal	Allow users to specify startup order for BoardReader processes	John Freeman	05/24/2017 03:12 PM
16771	Feature	New	Normal	Make it easier to launch online monitoring in the middle of a run	John Freeman	06/05/2017 03:42 PM
17576	Feature	Resolved	Normal	Modify DAQInterface so it can work as a ups product	John Freeman	09/08/2017 02:00 PM
18032	Feature	Resolved	Normal	Place a limit on the number of MessageFacility messages of a given type getting printed out	John Freeman	10/26/2017 01:29 PM
18085	Feature	Resolved	Normal	Support for running multiple DAQInterfaces at the same time	John Freeman	10/31/2017 03:46 PM
18876	Feature	New	Normal	TransferInput should check for dispatcher existence/status before attempting to connect	John Freeman	02/01/2018 09:24 PM
19991	Feature	Resolved	Normal	Specify multicast network in boot.txt...	John Freeman	07/06/2018 04:30 PM
20338	Feature	New	Normal	Improve the speed of the configuration step		07/24/2018 09:47 AM
20341	Feature	Resolved	High	write data files directly from event builders		07/24/2018 12:45 PM
20342	Feature	Resolved	High	enable trigger inhibiting at protoDUNE		07/24/2018 12:46 PM
20362	Feature	Assigned	Low	Add external controlling functionality to InhibitMaster	Wesley Ketchum	07/25/2018 01:59 PM
20388	Feature	Work in progress	High	Create one or more simple_test_configs that are as similar to protoDUNE DAQ that we can get and stress test them on the Mu2e Pilot cluster		08/01/2018 01:56 PM
20392	Feature	New	Normal	Create a simple hex-dump tool (art module) for artdaq		07/23/2018 07:47 AM
20395	Feature	Work in progress	High	Oversee and/or contribute to the transfer of archival Run Configuration information to the offline		08/01/2018 02:01 PM
20420	Feature	Resolved	Normal	Help implement 4-digit zero padding of the file index number in the raw data filenames at protoDUNE		07/26/2018 10:58 AM
20421	Feature	Work in progress	Normal	Improve the organization of the Run Configurations at protoDUNE		08/01/2018 09:26 AM
20451	Feature	Resolved	Normal	Clean up the specification of max fragment and event sizes		10/09/2018 01:29 PM
20463	Feature	Work in progress	Normal	Check with our art collegues on the progress toward an improved FHiCL parser		08/06/2018 09:37 AM

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20500	Feature	Resolved	High	Create and test a candidate release targeted for use at protoDUNE		08/17/2018 02:15 PM
20509	Feature	New	Low	Create a script or tool to set up the latest compatible version of a requested product		08/01/2018 03:09 PM
20510	Feature	New	Low	fragment overruns		08/01/2018 04:05 PM
20569	Feature	Work in progress	Low	Status monitoring display		01/30/2019 02:25 PM
20580	Feature	Assigned	Normal	Bookkeep max_event_size_bytes to reflect different fragment sizes from different fragment generators	John Freeman	08/28/2018 09:16 AM
20581	Feature	Resolved	Normal	Have DAQInterface set the max fragment size in the transfer plugins according to the upstream fragment generator type	John Freeman	08/20/2018 01:27 PM
20627	Feature	New	Low	Generic implementation of interrupt/timeout functionality		08/16/2018 02:30 PM
20628	Feature	New	Normal	Archiving time on the protoDUNE cluster should be reduced	Gennadiy Lukhanin	08/16/2018 03:04 PM
20632	Feature	New	Normal	Improve the error reporting from conftool.py		08/17/2018 11:42 AM
20633	Feature	New	Normal	rgang trace tools		08/17/2018 02:16 PM
20641	Feature	New	Low	daqinterface, when recovery is disabled, could/should have the ability to rgang to all the nodes to freeze the trace buffers		10/12/2018 01:20 PM
20713	Feature	Resolved	Normal	Add support for the RootDAQOut output module in DAQInterface bookkeeping	John Freeman	10/12/2018 12:50 PM
20745	Feature	Resolved	Low	Remove BR Sync Metric	Eric Flumerfelt	09/05/2018 12:03 PM
20746	Feature	Resolved	Low	More information from RoutingMasterCore	Eric Flumerfelt	09/05/2018 12:06 PM
20747	Feature	Resolved	Normal	Add Event Building Time metric	Eric Flumerfelt	09/05/2018 12:07 PM
20751	Feature	Resolved	Normal	TRACE metric output	Eric Flumerfelt	09/06/2018 10:18 AM
20758	Feature	Resolved	Normal	DAQInterface should save the per-run process ranks	John Freeman	09/10/2018 05:26 PM
20759	Feature	Resolved	Normal	DAQInterface should be able to place requirements not just on a package's commit hash but also its version	John Freeman	09/20/2018 02:18 PM
20797	Feature	Resolved	Normal	On run start and stop, DAQInterface should call a script to make working with TRACE buffers easier	John Freeman	09/12/2018 05:31 PM
20798	Feature	Resolved	Normal	On protoDUNE, DAQInterface should take info from Run Control and store it in the database	John Freeman	09/19/2018 03:46 PM
20983	Feature	New	Normal	Annotate artdaq database with doxygen tags.		09/28/2018 05:15 PM
21044	Feature	Resolved	Normal	DAQInterface should support fragment generators which return more than one fragment per event	John Freeman	10/12/2018 05:00 PM
21066	Feature	Resolved	Normal	Use report_metric in demo simple_test_config	Eric Flumerfelt	10/09/2018 08:29 AM
21073	Feature	Resolved	Normal	Freeze TRACE buffer when SharedMemoryManager detaches with an exception	Eric Flumerfelt	10/09/2018 11:12 AM
21093	Feature	Resolved	Normal	More useful Routing Wait Time metric in DataSenderManager	Eric Flumerfelt	10/09/2018 02:41 PM
21095	Feature	Resolved	Low	Fix manual_mode for mu2e art process perfing	Eric Flumerfelt	10/09/2018 02:48 PM
21096	Feature	Resolved	Normal	Rename "Incomplete" events in SMEM	Eric Flumerfelt	10/09/2018 02:51 PM
21105	Feature	Resolved	Low	metric_pset initialization in Cores	Eric Flumerfelt	10/10/2018 11:00 AM
21189	Feature	Resolved	Normal	In DAQInterface, deepsuppression should always be overridable with a sufficiently high verbosity level	John Freeman	10/19/2018 10:41 AM
21191	Feature	Resolved	Normal	Make Shared Memory Transfer timeouts configurable	Eric Flumerfelt	10/19/2018 02:18 PM
21202	Feature	Resolved	Normal	It should be possible to repeat a run with a minimum of effort	John Freeman	11/02/2018 05:36 PM

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21226	Feature	Resolved	Normal	DAQInterface should support multiple sub-configurations	John Freeman	11/02/2018 10:02 AM
21228	Feature	New	Normal	A script should be made available where it's easy for users to update the branches in their installation's git repos	John Freeman	10/24/2018 05:02 PM
21233	Feature	New	Low	make SharedMemoryManager more maintainable by combining sem and sem_id to a single atomic		10/25/2018 02:10 PM
21235	Feature	Resolved	Normal	DAQInterface should be able to launch processes by a method other than pmt.rb	John Freeman	12/12/2018 06:25 PM
21328	Feature	Resolved	Normal	A set of subconfigurations which realistically model an experiment should be added to simple_test_config		11/21/2018 12:06 PM
21358	Feature	Resolved	Normal	DAQInterface should support the concept of subsystems	John Freeman	02/18/2019 02:43 PM
21395	Feature	Resolved	Normal	max_fragment_size_bytes in the settings file should only refer to fragments, not entire events	John Freeman	11/17/2018 09:04 PM
21400	Feature	Resolved	Normal	Build script for packages	Eric Flumerfelt	11/19/2018 01:51 PM
21695	Feature	Resolved	Normal	It should be possible to tell DAQInterface which artdaq processes are critical to a run, and which aren't	John Freeman	01/31/2019 04:59 PM
21771	Feature	Resolved	Normal	Provide rank and app_name variables to metric system	Eric Flumerfelt	02/11/2019 09:59 AM
21800	Feature	Resolved	Normal	Dynamic display of event contents in WFViewer	Eric Flumerfelt	01/30/2019 10:39 AM
21811	Feature	Resolved	Normal	Add a subconfiguration which contains ToySimulators that behave badly by design	John Freeman	01/30/2019 05:15 PM
21828	Feature	Resolved	Normal	More/Better output from TransferDriver when tests fail	Eric Flumerfelt	02/04/2019 11:25 AM
21925	Feature	Resolved	Normal	Get handle to Fragment Generator for otsdaq	Eric Flumerfelt	02/19/2019 09:56 AM
22061	Feature	Reviewed	Normal	DAQInterface should algorithmically determine whether an artdaq process is critical	John Freeman	03/25/2019 09:36 AM
22255	Feature	Reviewed	Normal	The use of a RoutingMaster in an artdaq system with subsystems seems to need special handling for the BinaryNetOutput(s)		05/09/2019 02:46 PM
22258	Feature	Reviewed	Normal	have daqinterface support the specification of cores on which the various artdaq processes can run	John Freeman	05/06/2019 05:13 PM
22280	Feature	Resolved	Normal	Add tests for RoutingMasterCore	Eric Flumerfelt	04/08/2019 08:11 AM
22379	Feature	Resolved	Normal	Make requests that have InvalidTimestamp only cause issues if applied to Window mode	Eric Flumerfelt	04/22/2019 08:40 AM
22388	Feature	Reviewed	Normal	DAQInterface should allow for a child subsystem to have more than one parent subsystem	John Freeman	06/26/2019 02:07 PM
22531	Feature	Assigned	Normal	Add destination parameter to DSM::sendFragment		05/30/2019 02:49 PM
22532	Feature	Resolved	Normal	Add acknowledgements to Request protocol	Eric Flumerfelt	06/25/2019 04:02 PM
22533	Feature	Assigned	Normal	Change signature of CommandableFragmentGenerator::getNext	Kurt Biery	06/05/2019 04:03 PM
22534	Feature	New	Normal	Bookkeeping changes for allowing multiple request domains within a subsystem		05/23/2019 12:50 PM
22535	Feature	New	Normal	RoutingNetOutput plugin: A version of BinaryNetOutput that receives Routing Tokens		06/26/2019 03:58 PM
22543	Feature	Assigned	Normal	Merge and test individual changes from develop branches into the for_dune-artdaq branches in artdaq-related repos	Kurt Biery	05/08/2019 11:29 AM
22569	Feature	Resolved	Normal	Update RequestReciever's interface		05/31/2019 09:58 AM
22806	Feature	Reviewed	Normal	DAQInterface should provide a hook to allow an arbitrary experiment-provided function to run periodically	John Freeman	10/23/2019 01:26 PM
22925	Feature	New	Normal	configure separate stdout/err (console) log files		11/05/2019 11:49 AM
22938	Feature	Resolved	Normal	add metric_name to metric ctor to aid debugging with TRACE	Ron Rechenmacher	09/30/2019 11:08 AM
22956	Feature	Resolved	Normal	Welcome message and output compilation date and time to trace and the message facility	Eric Flumerfelt	11/05/2019 02:09 PM

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23067	Feature	New	Normal	Develop infrastructure for sending ZeroMQ messages from the DFO to the InhibitMaster at protoDUNE	Kurt Biery	09/03/2019 12:51 PM
23131	Feature	Assigned	Normal	Add reporting of fragment IDs for missing fragments to the FragmentWatcher module	Kurt Biery	01/07/2020 10:12 AM
23146	Feature	Reviewed	Normal	DAQInterface could provide on-demand information about individual artdaq process statuses	John Freeman	10/30/2019 10:09 AM
23262	Feature	Reviewed	Normal	A convenience script could be provided in DAQInterface to tell users where their root files are	John Freeman	10/07/2019 02:43 PM
23286	Feature	Reviewed	Normal	DAQInterface should accept boot files which are in FHiCL form	John Freeman	10/26/2019 02:24 AM
23356	Feature	Resolved	Normal	Test upgrade of old RawFragmentHeader versions	Eric Flumerfelt	09/30/2019 02:05 PM
23404	Feature	Reviewed	Normal	If there's an XML-RPC communication issue between nodes, DAQInterface should make it more obvious that that's the problem	John Freeman	10/26/2019 02:21 AM
23479	Feature	Resolved	Normal	No-pull mode for quick-mrb-start.sh	Eric Flumerfelt	10/28/2019 09:28 AM
23490	Feature	Work in progress	Normal	Last archived run number	Gennadiy Lukhanin	01/14/2020 05:16 PM
23505	Feature	Resolved	Normal	In-place allocation of ContainerFragment subfragments	Eric Flumerfelt	11/02/2019 01:26 PM
23574	Feature	Resolved	Normal	Option to run_integration_tests.sh to simply print run_demo command line and exit	Eric Flumerfelt	11/08/2019 10:29 AM
23760	Feature	Resolved	Normal	DAQInterface should be able to resurrect an artdaq process	John Freeman	12/17/2019 10:32 AM
24418	Feature	New	Normal	Use ExceptionHandler in xmlrpc_commander		05/14/2020 01:14 PM
24566	Feature	Resolved	Normal	SharedMemory Output for art process		06/26/2020 11:22 AM
24951	Feature	New	High	Archive run_record_attempted	John Freeman	09/10/2020 08:34 PM
24982	Feature	Resolved	Normal	Routing Improvements	Eric Flumerfelt	03/09/2021 02:35 PM
25301	Feature	Resolved	Normal	Have DAQInterface save the launch_attempt file as the "pmt" log file	Eric Flumerfelt	12/09/2020 02:42 PM
25341	Feature	Resolved	Normal	Support "prepend" in boot.txt	Eric Flumerfelt	12/18/2020 11:11 AM
25444	Feature	New	Normal	Upgrade mongoc and mongocxx drivers		01/27/2021 04:14 PM
25565	Feature	Reviewed	Normal	DAQInterface should allow overriding the number of launch checks	Eric Flumerfelt	02/25/2021 03:36 PM
25596	Feature	Resolved	Normal	Improved TRACE logging in FragmentBuffer	Eric Flumerfelt	03/05/2021 01:02 PM