

artdaq - Idea #23776

Allow users more control of MetricPlugin behavior

12/18/2019 08:45 AM - Eric Flumerfelt

Status:	New	Start date:	12/18/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Experiment:	DUNE		

Description

MetricPlugin currently handles metric aggregation on behalf of the implementation plugins, which are only responsible for routing aggregated metrics to their destinations. There is a use-case, however, for plugin types which do their own aggregation or processing on the minimally-aggregated metrics coming directly from MetricManager.

To this end, I propose renaming the current MetricPlugin to something like "AggregatingMetricPlugin" and adding a pure virtual MetricPlugin interface which defines the minimal set of functions needed by MetricManager to pass metrics down. All current `_metric` plugins would then inherit from AggregatingMetricPlugin.