

## artdaq - Idea #23776

### Allow users more control of MetricPlugin behavior

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

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