

art - Feature #25551

art_root_io/RootDB actually belongs to canvas_root_io

02/23/2021 04:23 PM - Gianluca Petrillo

Status:	Under Discussion	Start date:	02/23/2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Scope:	Internal	SSI Package:	
Experiment:	-		

Description

That is my bold statement, and if you end up agreeing I would request that that code be moved into canvas_root_io.

The gain is an easier access to the FHiCL configuration stored in *art*/ROOT files from gallery.

History

#1 - 02/23/2021 09:12 PM - Kyle Knoepfel

- Scope set to Internal
- Status changed from New to Under Discussion
- Tracker changed from Idea to Feature

You may be right, Gianluca. Let me talk with some folks on this end. Could you give some examples, though, in how you would use it with gallery?

#2 - 02/24/2021 09:31 AM - Gianluca Petrillo

It might be something similar to how config_dumper does:

```
art::SQLite3Wrapper sqliteDB(&file, "RootFileDB");
fhiCl::ParameterSetRegistry::importFrom(sqliteDB);
fhiCl::ParameterSetRegistry::stageIn();
auto const& collection = fhiCl::ParameterSetRegistry::get();
for (auto const& pr : collection) { /* ... */ }
```

Right now, in ICARUS data there is some DAQ configuration in there that can be found.

Or something like what happend in [DetectorClocksServiceStandard](#).

If there were some public tool to make this process even easier, it would be welcome (e.g. a sequence like the one in config_dumper, but not using a global instance but rather a local registry, not to mess with the rest of the configuration).