

art - Feature #4679

Relax FileCatalogOptionsHandler constraint on when SAM metadata are required.

09/24/2013 02:38 PM - Herbert Greenlee

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|------------------------|-------------------|------------------------|------------|
| Status: | Closed | Start date: | |
| Priority: | Normal | Due date: | |
| Assignee: | Christopher Green | % Done: | 100% |
| Category: | Metadata | Estimated time: | 4.00 hours |
| Target version: | 1.10.00 | Spent time: | 4.00 hours |
| Scope: | Internal | SSI Package: | art |
| Experiment: | MicroBooNE | | |

Description

This issue is related to issue [#4661](#). FileCatalogOptionsHandler has some more problematic features. If you specify command line options --sam-web-uri and --sam-process-id, then FileCatalogOptionsHandler inappropriately insists that you specify sam output options used by service FileCatalogMetadata and module RootOutput. Here is a typical error:

```
OptionsHandler caught a cet::exception calling art::FileCatalogOptionsHandler::doProcessOptions ()
---- Configuration BEGIN
  SAM metadata information is required -- missing metadata:
  --sam-application-family
  --sam-application-version
  --sam-file-type
  --sam-data-tier
---- Configuration END
```

It complains even if there is no reason to include these command line options. It complains even if your job file does not include either FileCatalogMetadata or RootOutput (i.e., if you have an analysis job that only makes histograms; above output came from such a job).

In any case, I don't think IFCatalogInterface and IFFileTransfer should care how you configure FileCatalogMetadata or RootOutput. Maybe you aren't planning on storing your output files in sam, or maybe you are generating your own metadata without using FileCatalogMetadata and RootOutput.

Related issues:

| | | |
|--|---------------|-------------------|
| Related to art - Bug #4661: FileCatalogOptionsHandler clobbers IFDH service c... | Closed | 09/21/2013 |
| Related to art - Feature #3745: Art should not require metadata that sam cons... | Closed | 09/30/2013 |
| Related to art - Bug #4730: Configuration post-processing system sometimes ch... | Closed | 11/30/2013 |

History

#1 - 09/25/2013 12:09 PM - Christopher Green

- Tracker changed from Bug to Feature
- Subject changed from FileCatalogOptionsHandler problems to Relax FileCatalogOptionsHandler constraint on when SAM metadata are required.
- Category set to Metadata
- Experiment MicroBooNE added
- Experiment deleted (-)
- SSI Package art added
- SSI Package deleted ()

I have moved this issue to the feature tracker, and made the subject more explicit.

The constraint that SAM metadata are compulsory if SAM input is specified is a user requirement, not a bug. I can't imagine objections to relaxing the constraint in the case of no specified output modules, but I think anything more than that would have to be discussed with everyone. I believe this requirement originally came from NOvA. We should try to discuss this at a stakeholder meeting.

#2 - 09/25/2013 12:13 PM - Christopher Green

- Description updated

#3 - 09/30/2013 12:00 PM - Christopher Green

- Status changed from New to Feedback

We would like to schedule this for discussion at a meeting where Andrew, Marc M. and any other interested parties from NOvA or elsewhere may be present. Hopefully this can be a Stakeholder meeting, but if a separate meeting is necessary it can be arranged.

#4 - 09/30/2013 01:10 PM - Christopher Green

- Start date deleted (09/24/2013)

#5 - 04/09/2014 11:18 AM - Christopher Green

- Target version set to 1.10.00

#6 - 05/09/2014 04:43 PM - Christopher Green

- Status changed from Feedback to Assigned

#7 - 05/09/2014 04:45 PM - Christopher Green

- Assignee set to Christopher Green

#8 - 05/09/2014 04:46 PM - Christopher Green

- Estimated time set to 4.00 h

#9 - 06/04/2014 01:02 PM - Christopher Green

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

Please see resolution comment on issue [#3745](#).

#10 - 06/12/2014 01:28 PM - Christopher Green

- Status changed from Resolved to Closed