

art - Feature #3448

Using TFileService within respondToOpenInputFile() puts histograms in the wrong folder

02/08/2013 01:21 PM - Christopher Backhouse

| | | | |
|--|---------------|------------------------|-------------------------------------|
| Status: | Closed | Start date: | 02/08/2013 |
| Priority: | Normal | Due date: | 09/30/2013 |
| Assignee: | Kyle Knoepfel | % Done: | 100% |
| Category: | Event Loop | Estimated time: | 2.00 hours |
| Target version: | 1.13.00 | Spent time: | 3.50 hours |
| Scope: | Internal | SSI Package: | art |
| Experiment: | - | | |
| Description | | | |
| I found that if I use TFileService within the respondToOpenInputFile() callback, everything I create with it there ends up in a folder in the output file named after my RootOutput label, rather than my module's label. Possibly this is expected behaviour, but it seems a bit odd since I don't know any other ways to put things into this folder. | | | |
| Related issues: | | | |
| Related to art - Necessary Maintenance #946: Review and provide precise defin... | | Accepted | 02/08/2011 09/30/2013 |

Associated revisions

Revision 810b1426 - 02/09/2015 02:13 PM - Kyle Knoepfel

Implement issue #3448.

History

#1 - 02/08/2013 02:07 PM - Christopher Green

The TFileService does not set the context at the right time for you to be in the correct folder as there is no preModuleRespondToXXXX watchpoint for services.

There is no particular reason these watchpoints can't be added, but the work would need to be done.

#2 - 02/08/2013 04:06 PM - Rob Kutschke

Ages ago I had a similar issue: histograms created during EndJob ended up in the top level root directory, not in the directory named after the module label. I don't recall if it is fixed now or not. My solution was to save a TDirectory* in BeginJob and then manage the directories by hand in the EndJob, restoring the state before I left.

#3 - 08/06/2013 04:05 PM - Christopher Green

- Tracker changed from Bug to Feature
- Due date set to 09/30/2013
- Category set to Event Loop
- Status changed from New to Accepted
- Target version set to 1.09.00
- Estimated time set to 8.00 h
- Scope set to Internal
- Experiment - added
- SSI Package art added

This issue is now linked to [#946](#). We will add new watchpoints where appropriate and ensure that TFileService takes advantage of them.

#4 - 02/17/2014 12:27 PM - Christopher Green

- Target version changed from 1.09.00 to 521

#5 - 04/09/2014 11:23 AM - Christopher Green

- Target version changed from 521 to 1.10.00

#6 - 05/07/2014 11:46 AM - Christopher Green

- Target version changed from 1.10.00 to 1.13.00

#7 - 02/03/2015 02:24 PM - Christopher Green

- Status changed from Accepted to Assigned

- Assignee set to Christopher Green

- Estimated time changed from 8.00 h to 2.00 h

#8 - 02/06/2015 11:52 AM - Kyle Knoepfel

- Assignee changed from Christopher Green to Kyle Knoepfel

#9 - 02/09/2015 02:22 PM - Kyle Knoepfel

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

All respondToXYZ...File(s) callbacks are now included in the TFileService activity registry. The corresponding signals have been added and they are invoked in the art::Worker class.

Implemented with [810b1426d33d2c22de3d9c5a61396595b8a25501](#).

#10 - 02/16/2015 10:32 AM - Christopher Green

- Status changed from Resolved to Closed