

art - Bug #2530

another mu2e dumpDataProducts crash

03/05/2012 03:36 PM - Andrei Gaponenko

Status:	Closed	Start date:	03/05/2012
Priority:	Normal	Due date:	
Assignee:	Christopher Green	% Done:	100%
Category:	Metadata	Estimated time:	0.00 hour
Target version:	1.00.10	Spent time:	0.00 hour
Occurs In:		Experiment:	-
Scope:	Internal	SSI Package:	

Description

Hi,

I got another instance of what looks just like [#2332](#).
On a freshly produced g4data_FromStepPointMCs.root

```
$ mu2e -c Analyses/test/dumpDataProducts.fcl ./g4data_FromStepPointMCs.root  
Segmentation fault (core dumped)
```

How to reproduce: code from Mu2e CVS as of `-D '2012-03-05 15:23 CST'`

1) Make an intermediate framework file

```
cat<<EOF > testjob.fcl  
#include "Mu2eG4/test/g4run_extMonCommon.fcl"  
source.maxEvents : 5  
services.user.SeedService.baseSeed : 0  
services.user.SeedService.maxUniqueEngines : 20  
EOF
```

```
mu2e -c ./testjob.fcl
```

This produces "gvdCommon.root"

2) `mu2e -c EventGenerator/test/g4test_FromStepPointMCs.fcl`

```
    this produces g4data_FromStepPointMCs.root
```

3) `mu2e -c Analyses/test/dumpDataProducts.fcl ./g4data_FromStepPointMCs.root`

```
    observe the crash.
```

Andrei

Associated revisions

Revision dc9d5572 - 03/06/2012 04:52 PM - Christopher Green

Tweak existing tests to cover issue #2530.

Revision 85eabc47 - 03/06/2012 04:52 PM - Christopher Green

Fix for issue #2530.

History

#1 - 03/05/2012 05:56 PM - Christopher Green

- Category set to Metadata
- Status changed from New to Assigned
- Assignee set to Christopher Green

Andrei,

Please send the output of

```
printenv | sort
```

for the environment in which you ran the test.

Thanks,
Chris.

#2 - 03/05/2012 05:56 PM - Christopher Green

- Status changed from Assigned to Feedback

#3 - 03/05/2012 10:37 PM - Andrei Gaponenko

- File env.txt added

Hi Chris,

A sorted printout of the environment is attached.

Andrei

#4 - 03/06/2012 07:23 AM - Christopher Green

- Target version set to 1.00.11

The segfault has been reproduced and localized. I am working on ascertaining the reason for the attempted nullptr de-reference.

#5 - 03/06/2012 07:23 AM - Christopher Green

- Status changed from Feedback to Assigned

#6 - 03/06/2012 06:07 PM - Christopher Green

- Status changed from Assigned to Resolved

- Target version changed from 1.00.11 to 1.00.10

- % Done changed from 0 to 100

Tests to detect with [dc9d5572af9f8bd5794d742882ab04cae04734c8](#).

Fixed with [85eabc47e0b62e0363847659f1ed560d476d69bf](#).

Basically the error message sent when a product could not be resolved for the purposes of dumping provenance information failed to take account of the possibility that the product provenance could also be missing.

#7 - 03/09/2012 11:14 AM - Christopher Green

- Status changed from Resolved to Closed

Files

env.txt	20.3 KB	03/06/2012	Andrei Gaponenko
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