

art - Bug #11797

sam_metadata_dumper seg faults and hangs on non-art root files

02/22/2016 02:01 PM - Alexander Himmel

Status:	Closed	Start date:	02/22/2016
Priority:	Normal	Due date:	
Assignee:	Kyle Knoepfel	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	2.00.01	Spent time:	2.00 hours
Occurs In:		Experiment:	-
Scope:	Internal	SSI Package:	art

Description

Some Nova production scripts inadvertently tried to run sam_metadata_dumper on non-art root files. Rather than ending with an error, sam_metadata_dumper segfaulted but did not exit, which caused our grid jobs to hang mysteriously for extended periods of time. In this circumstances the program should end with an error message and a non-zero error code.

Here is an example file on which sam_metadata_dumper crashed:

```
/pnfs/nova/production/limited/R16-01-27-prod2calib.f/numi/nd/000104/10402/nearest_r00010402_s31_t00_R16-01-27-prod2calib.f_v1_data.limitedcaf.root
```

Associated revisions

Revision e703c105 - 03/09/2016 02:59 PM - Kyle Knoepfel

Implement fix for #11797: segfault when sam_metadata_dumper used on non-art/ROOT file

History

#1 - 02/29/2016 11:22 AM - Kyle Knoepfel

- Status changed from New to Accepted

We will adjust the implementation to produce an error message and emit a non-zero exit code should a non-art ROOT file be an argument to sam_metadata_dumper.

#2 - 02/29/2016 11:29 AM - Kyle Knoepfel

More specifically, we will address the issue you have brought up. However, we do not understand how a segmentation violation (return code 128+SIGSEGV) can result in a process hanging. How does your wrapper script handle such a return code?

#3 - 03/09/2016 03:03 PM - Kyle Knoepfel

- Category set to Application
- Status changed from Accepted to Resolved
- Assignee set to Kyle Knoepfel
- SSI Package art added
- SSI Package deleted ()

Fix implemented with commit [art:e703c105](#).

#4 - 03/09/2016 03:03 PM - Kyle Knoepfel

- % Done changed from 0 to 100

#5 - 05/24/2016 09:55 AM - Kyle Knoepfel

- Target version set to 2.00.01

#6 - 05/24/2016 10:14 AM - Kyle Knoepfel

- Status changed from Resolved to Closed