

## SciSoft - Support #25050

### ROOT v6\_16\_00 error

10/05/2020 11:37 AM - Cathal Sweeney

<b>Status:</b>	Closed	<b>Start date:</b>	10/05/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Lynn Garren	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	1.00 hour
<b>Description</b>			
When building against ROOT in debug mode I am receiving the following error:			
<pre>python: /scratch/workspace/canvas-products/vdevelop-/SLF7/e17-debug/build/root/v6_16_00/source/root-6.16.00/interpreter/llvm/src/tools /clang/include/clang/Serialization/Module.h:72: clang::serialization::InputFile::InputFile(const clang::FileEntry*, bool, bool): Assertion `!(isOverridden &amp;&amp; isOutOfDate) &amp;&amp; "an overridden cannot be out-of-date"' failed.</pre>			
This bug was reported before as issue 23325, however now this is being seen on an SL7 machine. The distribution being used is:			
<pre>Distributor ID: Scientific Description: Scientific Linux release 7.8 (Nitrogen) Release: 7.8 Codename: Nitrogen</pre>			
I think a build of ROOT with the assertion above commented out would fix the issue			
<b>Related issues:</b>			
Related to SciSoft - Bug #23325: Root v6_16_00 not working in CentOS 7		<b>Closed</b>	<b>09/25/2019</b>

### History

#### #1 - 10/05/2020 11:40 AM - Kyle Knoepfel

- Status changed from New to Feedback

Cathal, this appears to be identical to the issue you reported a year ago: [#23325](#). Is the information in that issue insufficient to address the problem?

#### #2 - 10/05/2020 12:01 PM - Cathal Sweeney

I'm not sure how comfortable NOvA feels building ROOT ourselves seeing as it comes in a bundle with other ART stuff.

However, if we do rebuild ROOT on the target machine is there a chance that this issue may hurt us on a Jenkins node where the SL7 version is slightly different?

#### #3 - 10/05/2020 12:12 PM - Christopher Backhouse

It seems to me that this issue ought to be affecting all experiments, and they only avoid it because they don't commonly set up debug builds.

#### #4 - 10/06/2020 09:34 AM - Kyle Knoepfel

- Related to Bug #23325: Root v6\_16\_00 not working in CentOS 7 added

#### #5 - 10/06/2020 09:44 AM - Kyle Knoepfel

Is there a novagpvm node we can use to check this behavior?

#### #6 - 10/06/2020 10:43 AM - Cathal Sweeney

novasl7gpvm01 is available

#### #7 - 10/06/2020 10:46 AM - Cathal Sweeney

the error can be reproduced by setting up ROOT v6\_16\_00 and simply running

```
$ root
```

**#8 - 10/06/2020 12:55 PM - Lynn Garren**

Steps to reproduce on novasl7gpvm01:

```
source /cvmfs/nova.opensciencegrid.org/externals/setup
setup root v6_16_00 -q e17:debug
root
```

Note that there is no problem with v6\_16\_00 -q e17:prof or with the SLF6 builds of root v6\_16\_00.

**#9 - 10/06/2020 03:21 PM - Lynn Garren**

- % Done changed from 0 to 100

- Status changed from Feedback to Resolved

It appears that the root v6\_16\_00 debug tarballs were rebuilt at some point. Please reinstall root v6\_16\_00 debug on /cvmfs/nova.opensciencegrid.org/externals. I am not sure who has permissions to do that. Let us know if you need help.

**#10 - 10/06/2020 05:12 PM - Lynn Garren**

- Assignee set to Lynn Garren

**#11 - 10/07/2020 08:45 AM - Cathal Sweeney**

I can confirm that Lynn's advice to re-install ROOT has fixed the issue. This issue may now be closed. Thanks all

**#12 - 10/07/2020 09:27 AM - Kyle Knoepfel**

- Status changed from Resolved to Closed

- Tracker changed from Bug to Support