

## mrB - Bug #5789

### @mrB setEnv@ does not set up libraries correctly (@larsoft@ @v1\_00\_06@)

03/31/2014 03:10 PM - Gianluca Petrillo

<b>Status:</b>	Closed	<b>Start date:</b>	03/31/2014
<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>	0.00 hour
<b>Description</b>			
Following the <a href="#">LArSoft setup instructions</a> :			
<pre>chdir test source /grid/fermiapp/lbne/software/setup_lbne.sh mrB newDev -v v1_00_06 -q e4:prof source /lbne/app/users/petrillo/LArSoft/test/localProducts_larsoft_v1_00_06_e4_prof/setup cd "\$MRB_SOURCE" mrB g larsoft_suite cd "\$MRB_BUILD" source mrB setEnv</pre>			
fails to correctly set up the library paths (maybe a silent error occurs before it has the time to do so). For example:			
<pre>\$ tr ':' '\n' &lt;&lt;&lt; "\$SLD_LIBRARY_PATH" /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larsoft/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/lareventdisplay/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larexamples/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larana/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larreco/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larsim/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larevt/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/lardata/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larpandora/lib /lbne/app/users/petrillo/LArSoft/test/build_slf5.x86_64/larcore/lib /afs/fnal.gov/files/home/room1/petrillo/local/lib /afs/fnal.gov/files/home/room1/petrillo/local/opt/cbtf_u13/lib64 /afs/fnal.gov/files/home/room1/petrillo/local/opt/krellroot_u13/lib64 /afs/fnal.gov/files/home/room1/petrillo/local/opt/openss_u13/lib64 /afs/fnal.gov/files/home/room1/petrillo/local/opt/fast/proftools/lib /afs/fnal.gov/files/home/room1/petrillo/local/opt/fast/SimpleProfiler/Linux.x86_64</pre>			
(the last entries are local library I need, existing before MRB is set up)			
Quick test:			
<pre>\$ python python: error while loading shared libraries: libpython2.7.so.1.0: cannot open shared object file: No such file or directory</pre>			
This might be specific to larsoft v1_00_06 as, interestingly enough, <b>it does not happen when only lbnecode (v1_00_05) is in.</b> MRB is set up as v0_07_04.			

## History

#1 - 03/31/2014 05:52 PM - Lynn Garren

- Status changed from New to Assigned

- Assignee set to Lynn Garren

Interesting. I can reproduce this on uboonegsvm01. But I can build quite happily elsewhere. Curious....

**#2 - 03/31/2014 05:57 PM - Lynn Garren**

Putting mrb v0\_06\_01 back in place for now. I do NOT see the problem when using mrb v0\_06\_01. You will, however, need to start with a fresh login and a new build directory.

Lynn

**#3 - 03/31/2014 06:34 PM - Gianluca Petrillo**

Thank you, Lynn.

I have seen the problem in lbneqsvm01.fnal.gov.

I first encountered the problem when moving from an older working area with MRB 0.6.1.

I confirm that my v0\_06\_01 area was not affected, and updating to 0.7.3/4 showed the problem (but then, updating the area is questionable).

From my tests I think I collected that:

- adding only lbnecode does not show a problem
- if I set up larsoft (v1\_00\_06) before source mrb setEnv, the first set up is complete but then setEnv corrupts it (probably, it "unsetups" it first)
- the problem is still there with larsoft v1\_00\_05
- made sure that PRODUCTS is empty before starting... it did not help

Back to 0.6.1, everything is sweet.

**#4 - 04/23/2014 04:37 PM - Lynn Garren**

- *Status changed from Assigned to Resolved*

- *% Done changed from 0 to 100*

Fixed in mrb v0\_08\_01.

**#5 - 06/02/2014 04:08 PM - Lynn Garren**

- *Status changed from Resolved to Closed*