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Subject: libEmc.so: undefined symbol: `_ZNK17IfdDataProxyIFace9make_vtabEv`  
Posted by [Jens Sören Lange](#) on Tue, 17 Nov 2009 13:17:26 GMT  
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Hi all,

in the newest trunk (rev 6990) I can't load libEmc.so anymore (see below).

Is this maybe related to the proxy dictionary? (the undefined symbol looks a bit like this).

thanks in advance, Soeren

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```
soeren@pfusel:~/panda/pandaroot/trunk/tutorials/lhetrack> root run_sim_tpccombi_pgun.C
```

```
*****  
*                               *  
*   W E L C O M E to R O O T   *  
*                               *  
* Version  5.24/00   29 June 2009 *  
*                               *  
* You are welcome to visit our Web site *  
*   http://root.cern.ch           *  
*                               *  
*****
```

```
ROOT 5.24/00 (tags/v5-24-00@29258, Oct 12 2009, 13:14:15 on linux)
```

```
CINT/ROOT C/C++ Interpreter version 5.17.00, Dec 21, 2008
```

```
Type ? for help. Commands must be C++ statements.
```

```
Enclose multiple statements between { }.
```

- RTDB container factory FairBaseContFact
- RTDB container factory PndFieldContFact
- RTDB container factory PndPassiveContFact

```
PSaid instance created... access via gSaid->f()
```

```
dlopen error: /home/soeren/panda/cbuild/lib/libEmc.so: undefined symbol:
```

```
_ZNK17IfdDataProxyIFace9make_vtabEv
```

```
Load Error: Failed to load Dynamic link library /home/soeren/panda/cbuild/lib/libEmc.so
```

```
(int)(-1)
```

```
*** Interpreter error recovered ***
```

```
root [0]
```

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Subject: Re: libEmc.so: undefined symbol:  
`_ZNK17IfdDataProxyIFace9make_vtabEv`  
Posted by [Elwin Dijck](#) on Tue, 17 Nov 2009 14:16:16 GMT  
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Yes, I think you have load two additional libraries to solve this error (it was changed in gconfig/rootlogon.C). See the 3rd and 4th posts in this thread.

In the macro you use to load the PandaRoot libraries, PndBase and GlobalTasks have to be added:

```
...  
gSystem->Load("libBase")  
gSystem->Load("libPndBase") (<- here to add)  
gSystem->Load("libGlobalTasks") (<- here to add)  
gSystem->Load("libTrkBase")  
...
```

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Subject: Re: libEmc.so: undefined symbol:  
\_ZNK17IfdDataProxylFace9make\_vtabEv  
Posted by [Stefano Spataro](#) on Tue, 17 Nov 2009 14:22:58 GMT  
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But the macro tutorial/lhetrack/run\_sim\_tpccombi\_pgun.C is already loading the gconfig/rootlogon.C macro. Is it possible that maybe gconfig was not updated?

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Subject: Re: libEmc.so: undefined symbol:  
\_ZNK17IfdDataProxylFace9make\_vtabEv  
Posted by [Mohammad Al-Turany](#) on Tue, 17 Nov 2009 15:18:38 GMT  
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Hi,

the problem is simply the rootlogon.C in the tutorial/lhetrack, by default root looks in the current directory for the rootlogon.C and here he find one which does not contain the libraries he need, I remove it from SVN, so it should at least crash somewhere else now (MDT).

regards

Mohammad

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Subject: Re: libEmc.so: undefined symbol:  
\_ZNK17IfdDataProxylFace9make\_vtabEv  
Posted by [Mohammad Al-Turany](#) on Tue, 17 Nov 2009 15:36:03 GMT  
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Hi,

I changed the MDT construction in the macro according to what Stefano has change in the macro/mdt it should works now.

Mohammad

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