Subject: Problems with FairSoft (libpng) and Fedora 20
Posted by StefanoSpataro on Mon, 05 Jan 2015 17:10:28 GMT
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Hi,
I forward this message from Prometeus Jasinski, since for some reasons he is not able to post in the forum.

Quote:
My error on Fedora 20 is same as

https://root.cern.ch/phpBB3/viewtopic.php?f=3&t=18017&hilit=libp ng

When I install root with standard settings as a separate software I see that libpng is linked against my machine libraries and I do not have any problems opening the TBrowser.

[jasinski@localhost root]$ ldd lib/libGraf.so
linux-vdso.so.1 => (0x00007fff1abfe000)
libHist.so => /home/jasinski/bin/root/lib/libHist.so (0x00007f63753db000)
libRIO.so => /home/jasinski/bin/root/lib/libRIO.so (0x00007f6374ebc000)
libMathCore.so => /home/jasinski/bin/root/lib/libMathCore.so (0x00007f6374a57000)
libfreetype.so.6 => /lib64/libfreetype.so.6 (0x00007f637479b000)
libCore.so => /home/jasinski/bin/root/lib/libCore.so (0x00007f6373de4000)
libCint.so => /home/jasinski/bin/root/lib/libCint.so (0x00007f6373465000)
libstdc++.so.6 => /lib64/libstdc++.so.6 (0x00007f637315d000)
libm.so.6 => /lib64/libm.so.6 (0x00007f6372e55000)
libgcc_s.so.1 => /lib64/libgcc_s.so.1 (0x00007f6372c3f000)
libc.so.6 => /lib64/libc.so.6 (0x00007f6372881000)
libMatrix.so => /home/jasinski/bin/root/lib/libMatrix.so (0x00007f6372425000)
libThread.so => /home/jasinski/bin/root/lib/libThread.so (0x00007f63721d0000)
libdl.so.2 => /lib64/libdl.so.2 (0x00007f6371fcc000)
/lib64/ld-linux-x86-64.so.2 (0x00007f6375f6e000)
libz.so.1 => /lib64/libz.so.1 (0x00007f6371db5000)
libpng16.so.16 => /lib64/libpng16.so.16 (0x00007f6371b82000) <--
libpthread.so.0 => /lib64/libpthread.so.0 (0x00007f6371965000)

When I compile fairsoft, libpng is not linked and the error mentioned above occurs. I tried already to get rid of any root configuration that might set internal linking stuff but I did not succeed. The output of the library is not showing any relations to libpng:

```
[jasinski@localhost FairSoft]$ ldd $ROOTSYS/lib/root/libGraf.so
 linux-vdso.so.1 =>  (0x00007fff491fe000)
 libHist.so =>
/home/jasinski/bin/buildFairSoft/lib/root/libHist.so
(0x00007fd226a5b000)
 libRIO.so => /home/jasinski/bin/buildFairSoft/lib/root/libRIO.so
(0x00007fd22653e000)
 libMathCore.so
=> /home/jasinski/bin/buildFairSoft/lib/root/libMathCore.so
(0x00007fd2260da000)
 libz.so.1 => /lib64/libz.so.1 (0x00007fd225eac000)
 libCore.so =>
/home/jasinski/bin/buildFairSoft/lib/root/libCore.so
(0x00007fd2254f6000)
 libCint.so =>
/home/jasinski/bin/buildFairSoft/lib/root/libCint.so
(0x00007fd224b77000)
 libstdc++.so.6 => /lib64/libstdc++.so.6 (0x00007fd22486f000)
 libm.so.6 => /lib64/libm.so.6 (0x00007fd224567000)
 libgcc_s.so.1 => /lib64/libgcc_s.so.1 (0x00007fd224351000)
 libc.so.6 => /lib64/libc.so.6 (0x00007fd223f93000)
 libMatrix.so =>
/home/jasinski/bin/buildFairSoft/lib/root/libMatrix.so
(0x00007fd223b37000)
 libThread.so =>
/home/jasinski/bin/buildFairSoft/lib/root/libThread.so
(0x00007fd2238e2000)
 libdl.so.2 => /lib64/libdl.so.2 (0x00007fd2236de000)
 /lib64/ld-linux-x86-64.so.2 (0x00007fd227662000)
 libpthread.so.0 => /lib64/libpthread.so.0 (0x00007fd2234c0000)
```

One more information that might be valuable. The standalone software I tested was /24 while the dez14 fairsoft contains /22. For the record, I also tried the recommended fairsoft releases for pandaroot without success.

Here I'm afraid I need help.

Any clues?