

freebsd-questions: linking to libc and libc_r (was Re: Certain 4.10 apps failing to run as root)

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2004-07/1275.html>

From: Anthony Chavez (acc_at_anthonychavez.org)

Date: 07/14/04

To: freebsd-questions@freebsd.org

Date: Tue, 13 Jul 2004 21:00:01 -0600

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Hash: SHA1

Here's an update...

On Thu, 10 Jun 2004 09:12:33 -0600 Anthony Chavez <acc@anthonychavez.org> wrote:

> *I think that Kris has been swallowed up by other efforts at the moment,*
> *so I'm moving this to the freebsd-stable list, where it's probably more*
> *relevant anyhow.*

Actually, this particular machine is actually running RELENG_4_10. My bad. So I'm posting this back to -questions. :-)

> *On Thu, 03 Jun 2004 01:35:33 -0600 Anthony Chavez <acc@anthonychavez.org> wrote:*

>> *I just upgraded one of my machines to 4.10-STABLE from 4.9-STABLE and*

s/0-STABLE/0-RELEASE/

>> *certain binaries (such as vim or vipw) when run as root (either with*
>> *sudo or su -) freeze up with "rcmdsh: unknown user:" followed by a bunch*
>> *of garbage.*

>>

>> *Any thoughts on what could be causing this?*

>

> *On Thu, 03 Jun 2004 07:22:09 -0600 Anthony Chavez <acc@anthonychavez.org> wrote:*

>> *On Thu, 3 Jun 2004 01:27:57 -0700 Kris Kennaway <kris@obsecrity.org> wrote:*

>>> *I've only seen this when something incorrectly links to both libc and*

>>> *libc_r. Neither of those four binaries should be linked to libc_r at*

>>> *all though. Can you confirm with ldd(1)?*

I have successfully worked around the problem by passing -DLITE to make when building editors/vim. When I remove -DLITE, the error resurfaces.

The following binaries remain affected (there are others, but they are irrelevant to vim):

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```
/usr/X11R6/bin/glxinfo:
  libc_r.so.4 => /usr/lib/libc_r.so.4 (0x28221000)
  libc.so.4 => /usr/lib/libc.so.4 (0x2831e000)
/usr/X11R6/bin/glxgears:
  libc_r.so.4 => /usr/lib/libc_r.so.4 (0x281ac000)
  libc.so.4 => /usr/lib/libc.so.4 (0x28264000)
```

What is causing this? My first suspicion is ccache. Could it be that I have set the following variables in /etc/make.conf?

```
CC=/usr/local/bin/cc
CPP=/usr/local/bin/cpp
CXX=/usr/local/bin/c++
```

(/usr/local/bin/c{c,pp,++} are symlinked to /usr/local/bin/ccache.)

Apart from that, the only difference between the system in question and a stock FreeBSD installation is the following MARK_ARGS pair in /usr/local/etc/pkgtools.conf:

```
'editors/vim' => '-DLITE -DWITH_CSCOPE -DWITH_PERL -DWITH_PYTHON -DWITH_RUBY
-DWITH_TCL'
```

- - -

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```
iD8DBQFA9KG1bZTbIaRBRXERAvYRAJ9Q+3AcEYJLB1iYSoSqWZM/ZMfxkACfXKeT
WTypK5pincbgv/4DyQ0abDU=
=FEw9
```

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freebsd-questions@freebsd.org mailing list

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