

Re: Matlab & LD_LIBRARY_PATH

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2006-08/msg00455.html>

- *From:* David Scriven <davidwriter@xxxxxxxxxx>
 - *Date:* Thu, 3 Aug 2006 19:38:58 -0400 (EDT)
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--- Matthew Saltzman <mjs@xxxxxxxxxxxxxxxxxx> wrote:

On Thu, 3 Aug 2006, Matthew Miller wrote:

On Wed, Aug 02, 2006 at 11:48:49PM -0400, David Scriven wrote:

One can set LD_LIBRARY_PATH manually – ie. from the prompt and things work fine.

My guess that somewhere it is being UNSET, but I can't figure out where. This happens on different machines running either FC4 or FC5.

Something must be "sanitizing" it for security reasons.

Interesting.

https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=164869

I recall running into this sometime around RH9. I thought I had filed a bug, but I can't find it now. I did find this, though:

https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=118262

And I wonder if the conclusion is relevant:

Comment #3 From Jason Vas Dias:

This bug is blocked by glibc bug 129682 – no setuid/setgid program can obtain LD_LIBRARY_PATH from the environment of a non-owner invoking user.

at could be converted to not require setuid/setgid bits to be set

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will work on this for next at version.

Comment #4 From Jason Vas Dias:
It seems the glibc developers consider this not a bug,
but a security feature that is unlikely to be changed.
So you'll just have to set LD_LIBRARY_PATH manually
in your at jobs – it won't be recorded from your
invoking environment if you are not root.

For the reader's convenience:

https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=129682

The question is, when logging in via the display manager, does
something
setuid/setgid get run after .bash_profile? Then, is there some
startup
script that gets run after that program that could set the
environment?

In my experience, logging in not via the display manager results in
LD_LIBRARY_PATH being set from .bash_profile as expected.

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Matthew Saltzman

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Hi Matthew,

There is a work-around – put it in /etc/bashrc and LD_LIBRARY_PATH
is set. Not optimal, but it works!

As far as setting it via /etc/profile – you are correct – booting
into a console (init 3) allows LD_LIBRARY_PATH to be set. Further
if you 'startx' LD_LIBRARY_PATH will still be set in whatever
display manager you are using.

However booting into X11 (init 5) prevents LD_LIBRARY_PATH from
being set.

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The fact that you can legitimately set it (init 3) would argue against it being a security issue – it seems to be a mystery that only people with greater knowledge than I can solve.

DS

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