

Re: Exportability of EDA industry from North America?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.cad/2005-01/0224.html>

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Stuart Brorson wrote:

> *In sci.electronics.cad Ales Hvezda <ahvezda@seul.org> wrote:*
> : *Hi,*
>
> : *I usually like spending my free time working on the code rather than*
> : *posting to USENET, but I want to address some of the points from the*
> : *previous poster in this thread.*
>
> : *Now that's something extraordinary! The main creator of gEDA responds*
> : *to a bug report on Usenet! When was the last time you saw a developer*
> : *for Orcad respond to any bug report?*
>
> : *So what was that complaint about F/OSS lacking support??. . . .*

You will never hear that complaint from me!

> [*. . . snip! . . .*]
>
> : *I followed the INSTALLs and READMEs that*
> : *can be found at:*
>
> : *<http://geda.seul.org/download.html>*
>
> : *The only change I made was to add /usr/local/lib into ld.so.conf*
> : *(and re-ran ldconfig).*
>
> : *This is an interesting observation; this library is a standard library*
> : *to store .so files. Why doesn't RedHat already have this in*
> : *ld.so.conf?*

RedHat puts all of its user libraries in /usr/lib. Debian uses both /usr/lib, and /usr/local/lib. gEDA installs its dynamic libraries in /usr/local/lib, but doesn't bother to check the ld.so paths.

....Also, I have never had to do this. Is this a
> *libstroke-only thing? I should look into this; I can easily add*

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> /usr/local/lib to the LD_LIBRARY_PATH at the start of the install
> program.
>
> [. . . snip . . .]
>
> : *Hmmm, on my newly installed RedHat 9.0 system, gtk+ 2.0 is in
> : fact called gtk+-2.0, i.e. the following works:*
>
> *Yeah, I've never seen them called anything other than this. If your
> distro calls them something else, it's a problem with your distro.*

Nope! GTK2 is what redhat has always called this package.

Do an "rpm -qi gtk2" on your system. I bet it comes up the same as mine does. All of the appropriate libraries for gtk+ 2.0 are in their standard places in my directory tree (/usr/lib/gtk-2.0)

>
> *Not that that excuses a failed install. Rather, the capability to
> configure for this name for GTK should be built into the installer.
> Again, what is your distro, and where did you get it? Can you point
> to web documentation about this change to GTK? I'd like to
> check into this oddity.*

I am certain the problem comes from RedHat not using pkg-config at all in their system. As a result, there isn't a directory full of '.pc' files that describe all of the packages installed in the system.

>
> :> *The first time I ran the CDROM install, it built and installed the
> : symbols
> :> libraries at least 20 times before I killed the process. (I was
> : getting
> :> curious as to why it was taking so long, and why every hour or so I
> : would
> :> look at it and it was building the symbols yet again.)*
>
> : *Yes, I observed this as well and it is a bug. However, if you
> : let it run, it will eventually finish (it did for me). I have a pretty
> : good idea why this is happening. Stuart and I will fix this for the
> : next rev of the suite CD.*
>
> *This occurred because the installer configured each program
> individually, and each program had the symbols in its dependency
> tree. Therefore, the symbols were blindly rebuilt for each program in
> the suite. If you had let the program churn along (as it says in the
> README), you would have eventually gotten through this.*

After several hours, and my observing the symbols getting rebuilt repeatedly, I shut it down. I ran it again, and got busy and walked away (scary to do with a root installer!) and it had completed.

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>
> *Anyway, we will change the way dependencies are handled in the next*
> *build. We take real, substantive, detailed bug reports seriously;*
> *fixing issues which users notice is how F/OSS is hardened over time.*
>
> *Stuart*
>
>
>
>
>
-Chuck Harris