

[Wow, what an error, in the makefile] Re: A question for the expert

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2003-12/1227.html>

From: lappin (galaxylappin_at_optonline.net)

Date: 12/29/03

To: redhat-list@redhat.com

Date: Sun, 28 Dec 2003 21:52:31 -0500

On Sunday 28 December 2003 05:50 pm, Cameron Simpson wrote:

> On 13:56 28 Dec 2003, Robert Brown <eli@typhoon.xnet.com> wrote:

> | > I ran the command:

> | > \$ gcc -E -C -DRESIN_HOME="/usr/resin\" -I -I/usr/kerberos/include

> | > -I/usr/java/include -I/usr/java/include/linux

> | > -I../common-DCPU="i386\" -DOS= -c -o ssl.o ssl.c > ssl.E

> | >

> | > and Here's the response:

> | >

> | > In file included from /usr/include/openssl/ssl.h:179,

> | > from ssl.c:62:

> | > /usr/include/openssl/kssl.h:72:18: krb5.h: No such file or directory

> | >

> | > The file kssl.h is in /usr/include/openssl and it is including

> | > <krb5.h> but krb5.h is not in /usr/include/openssl. Here's the exact

> | > include statement that's causing the problem

> | >

> | > [...]

> | >

> | > Eurika! There's your problem! The file name is in angle brackets

> | > instead of in quotes. This means that it will be searched for only in

> | > system directories, such as /usr/include, and not user supplied

> | > directories. It is only looking for krb5.h in /usr/include of one of

> | > its subdirectories. If you change the angle brackets to double

> | > quotes, it should work.

> | >

> | > Sorry, your diagnosis is wrong.

> | >

> | > Generally the only difference between

> | >

> | > #include <foo.h>

> | > and

> | > #include "foo.h"

> | >

> | > is that the latter searches the current directory first, in addition to the

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> "usual places". The `-I` option adds to the "usual places".
>
> The actual source of his problem is this stuff from his compile line:
>
> `-I -I/usr/kerberos/include`
>
> Notice that lone `-I` option? As with most single-letter options, if they
> take an argument that argument may be abutted to the option or the next
> word, so this:
>
> `-x foo`
> and
> `-xfoo`
>
> mean "`-x`" with the argument "foo".
>
> In your case the lone `-I` is using "`-I/usr/kerberos/include`" as its
> argument for the same reason, and thus adding a bogus directory named
> "`-I/usr/kerberos/include`" to the include search path.
>
> The source of this error is probably a bit of make code like this:
>
> `SOME_HEADER_DIR =`
>
> and a compile line going:
>
> `gcc -I$(SOME_HEADER_DIR)`
>
> You need to get rid of that lone `-I` option. First try it by hand:
>
> `gcc -C -DRESIN_HOME="/usr/resin/" -I/usr/kerberos/include`
> `-I/usr/java/include -I/usr/java/include/linux -I./common-DCPU="i386"`
> `-DOS= -c -o ssl.o ssl.c`
>
> and see if it behaves. Then find the empty macro in the makefile.
>
> Cheers,
> --
> Cameron Simpson <cs@zip.com.au> DoD#743
> <http://www.cskk.ezoshosting.com/cs/>
>
> This disk pack is sold by volume, not by wait. Crammed full by modern
> automatic computer equipment, it causes full net wait timeouts. If device
> does not appear full when opened, it is because file contents have been
> lost during transferring.

Hi,

I just saw your response. I was never very good at nuance of make files. I had done somethings to work around the problem, but now I can fix the make file. Thanks for the observation and clearing the matter. I completed the make by copying everything in the directory they were needed. But I'm

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going to fix the makefile and try again.

Thank you very much.

--

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