
Subject: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [NewsMan](#) on Fri, 30 Apr 1999 07:00:00 GMT
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The new RedHat-6.0 Linux with glibc-2.1 breaks IDL-5.2. I got the following error when I invoke IDL.

```
/usr/local/rsi/idl_5.2/bin/bin.linux/idl: error in loading shared
libraries: /usr/local/rsi/idl_5.2/bin/bin.linux/libidl.so.5.0: undefined
symbol: __setfpucw
```

Dear Staff Members at RSI,
How long should I wait till you release a patch? Apparently, the RedHat

distribution has the compatibility rpm called
compat-glibc-5.2-2.0.7.1.i386.rpm.
But, I don't know how to use it for IDL. Does anybody know about it?
Common sense tells me that commercial software vendors like IDL should
package all the static libraries instead of shared libraries. Oh,
well...

I am going back to RedHat 5.2....

Thank you.

G. Hugh Song

--
Newsman

PS: Reply to ghsong "at" kjist "dot" ac "dot" kr, if you really have to.

Subject: Re: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [Jeremy Sanders](#) on Mon, 10 May 1999 07:00:00 GMT
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lrnittler@my-dejanews.com wrote:

> OK, I also am having trouble getting IDL to work with redhat 6.0. I tried the
> above approach after copying libc-2.0.7.so from /usr/i386-glibc20-linux/lib/
> (where the compat files are put) to /lib, but even with the 2.0.7 library I
> get the same error message. Any ideas?

We managed to get IDL to work by installing the compatibility libraries. I
then modified the idl script (the one which runs the binary) at the end to
read:

```
app=$IDL_DIR/bin/bin.$OS$OSVER$ARCH/$APPLICATION
```

```
if [ -e /lib/ld-2.0.7.so ] ; then
  exec $app $* $APP_ARGS
else
  libdir=/usr/i386-glibc20-linux/lib

  export LD_LIBRARY_PATH="${libdir}:${LD_LIBRARY_PATH}"
  exec ${libdir}/ld-2.0.7.so $app $* $APP_ARGS
fi
```

This seems to work, although we haven't tried running programs with external shared libraries.

Jeremy Sanders

--

Jeremy Sanders jss@ast.cam.ac.uk Pembroke College, Cambridge. CB2 1RF
(01223) 337511 Institute of Astronomy, Madingley Road, Cambridge. CB3 0HA

Subject: Re: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [John P Grimes](#) on Wed, 12 May 1999 07:00:00 GMT
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Hi,

I tried this unfortunately to no avail. Where did you get the compatibility files. I certainly have /lib/ld-2.0.7 installed.

this is the error I get
/usr/local/rsi/idl_5.2/bin/bin.linux/idlde: error in loading shared libraries
/lib/libc.so.6: undefined symbol: _dl_initial_searchlist

thanks,
John

Jeremy Sanders wrote:

```
> Irnittler@my-dejanews.com wrote:
>
>> OK, I also am having trouble getting IDL to work with redhat 6.0. I tried the
>> above approach after copying libc-2.0.7.so from /usr/i386-glibc20-linux/lib/
>> (where the compat files are put) to /lib, but even with the 2.0.7 library I
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>
> We managed to get IDL to work by installing the compatibility libraries. I
```

```
> then modified the idl script (the one which runs the binary) at the end to
> read:
>
> app=$IDL_DIR/bin/bin.$OS$OSVER$ARCH/$APPLICATION
>
> if [ -e /lib/ld-2.0.7.so ] ; then
>   exec $app $* $APP_ARGS
> else
>   libdir=/usr/i386-glibc20-linux/lib
>
>   export LD_LIBRARY_PATH="{libdir}:${LD_LIBRARY_PATH}"
>   exec ${libdir}/ld-2.0.7.so $app $* $APP_ARGS
> fi
>
> This seems to work, although we haven't tried running programs with external
> shared libraries.
>
> Jeremy Sanders
>
> --
> Jeremy Sanders jss@ast.cam.ac.uk   Pembroke College, Cambridge. CB2 1RF
> (01223) 337511 Institute of Astronomy, Madingley Road, Cambridge. CB3 0HA
```

Subject: Re: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [Jeremy Sanders](#) on Thu, 13 May 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

John P Grimes wrote:

```
> I tried this unfortunately to no avail. Where did you get the compatibility
> files. I certainly have /lib/ld-2.0.7 installed.
> this is the error I get
> /usr/local/rsi/idl_5.2/bin/bin.linux/idlde: error in loading shared libraries
> /lib/libc.so.6: undefined symbol: _dl_initial_searchlist
```

I didn't mean you should copy old versions to /lib/ld-2.0.7. The check in the script checks to see which version of RedHat you're using.

Just install:
compat-glibc-5.2-2.0.7.1.i386.rpm
compat-libs-5.2-1.i386.rpm
compat-binutils-5.2-2.9.1.0.23.1.i386.rpm

and change the idl script (or create a new one).

Jeremy

--

Jeremy Sanders jss@ast.cam.ac.uk Pembroke College, Cambridge. CB2 1RF
(01223) 337511 Institute of Astronomy, Madingley Road, Cambridge. CB3 0HA

Subject: Re: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [John P Grimes](#) on Sun, 16 May 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,

First thank you jeremy for your help. it definately helped. What was actually causing the problem was that /lib/ld-2.0.7.so existed (redhat upgrade left it there) but libc-2.1.1.so was also in the same directory. So it was using incompatible version of the libraries. So I just deleted ld-2.0.7 from the directory and now it is happily loading from the /usr/i386-glibc20-linux/lib directory.

As a side note before running the idl license manager you have to preload /usr/i486-linux-libc5/lib/ (or wherever you have the libc 5.0 libraries). When is idl and the license manager going to be updated. The license manager is archaic to run on libc 5.0 and wouldn't it be easy for idl to support more linux systems? I "think" it would be worth it.

thanks
John

Subject: Re: RedHat-6.0 with Glibc2.1 breaks IDL-5.2
Posted by [NewsMan](#) on Wed, 19 May 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

John P Grimes wrote:

> Hi,
> First thank you jeremy for your help. it definately helped. What was actually
> causing the problem was that /lib/ld-2.0.7.so existed (redhat upgrade left it there)
> but libc-2.1.1.so was also in the same directory. So it was using incompatible
> version of the libraries. So I just deleted ld-2.0.7 from the directory and now it
> is happily loading from the /usr/i386-glibc20-linux/lib directory.
> As a side note before running the idl license manager you have to preload
> /usr/i486-linux-libc5/lib/ (or wherever you have the libc 5.0 libraries). When is
> idl and the license manager going to be updated. The license manager is archaic to
> run on libc 5.0 and wouldn't it be easy for idl to support more linux systems? I
> "think" it would be worth it.
> thanks
> John

I thought that all the compatibility problem has been solved by users.
In my case, one problem was solved following Jeremy's patch. But when I
launched my application, I got:

/usr/local/rsi/idl_5.2/bin/bin.linux/idl: error in loading shared libraries
/usr/X11R6/lib/libX11.so.6: undefined symbol: __bzero

So, have you guys solved all the compatibility problem as much as you want?

Please help.

Thank you

G. Hugh Song

--

Newsman

PS: Reply to ghsong "at" kjist "dot" ac "dot" kr, if you really have to.
