

---

Subject: Re: IDL problems with XML !!

Posted by [Robert Barnett](#) on Tue, 03 May 2005 23:10:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

What version of libstdc++ did you install?

On Tue, 03 May 2005 12:49:01 +0200

Antonio Santiago <d6522117@est.fib.upc.es> wrote:

```
> Hi,
> I have just installed IDL on my laptop with an Ubuntu (debian based)
> distribution.
> I had a problem with libstdc++ but I was resolve with a link (see this
> http://groups-beta.google.com/group/comp.lang.idl-pvwave/bro
wse_frm/thread/c9df1db8851fb4b7/5729be364888e32e?q=libstdc%2
B%2B&num=2&hl=en#5729be364888e32e
> )
>
> Now the problem is here:
>
> IDL> demo
> % Embedded IDL: Research Systems, Inc., IDL Demo.
> % Restored file: DEMO.
> % Error loading sharable executable.
> Symbol: IDL_Load, File =
> /usr/local/rsi/idl_6.1/bin/bin.linux.x86/idl_xml.so
> /usr/local/rsi/idl_6.1/bin/bin.linux.x86/libxerces-c2_4_0.so .24:
> undefined symbol: cout
> % Error occurred at: DEMOOBJ__DEFINE
> %          OBJ_NEW
> %          DEMO
> %          $MAIN$
> % Execution halted at: $MAIN$
> IDL>
>
> I dont know waht the problem is with libxerces.
> The file 'libxerces-c2_4_0.so.24' is a soft-link to the file
> 'libxerces-c2_4_0.so.24.0' in the same directory.
>
> Any idea?
>
> Antonio.
```

--

nrb@ Robbie Barnett

imag Research Assistant  
wsahs Nuclear Medicine & Ultrasound  
nsw Westmead Hospital  
gov Sydney Australia  
au +61 2 9845 7223

---

---

Subject: Re: IDL problems with XML !!  
Posted by [Michael Wallace](#) on Wed, 04 May 2005 14:07:42 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Antonio Santiago wrote:

> Hi,  
> I have just installed IDL on my laptop with an Ubuntu (debian based)  
> distribution.  
> I had a problem with libstdc++ but I was resolve with a link (see this  
> [http://groups-beta.google.com/group/comp.lang.idl-pvwave/browse\\_frm/thread/c9df1db8851fb4b7/5729be364888e32e?q=libstdc%2B%2B&num=2&hl=en#5729be364888e32e](http://groups-beta.google.com/group/comp.lang.idl-pvwave/browse_frm/thread/c9df1db8851fb4b7/5729be364888e32e?q=libstdc%2B%2B&num=2&hl=en#5729be364888e32e)  
> )  
>  
> Now the problem is here:  
>  
> IDL> demo  
> % Embedded IDL: Research Systems, Inc., IDL Demo.  
> % Restored file: DEMO.  
> % Error loading sharable executable.  
> Symbol: IDL\_Load, File =  
> /usr/local/rsi/idl\_6.1/bin/bin.linux.x86/idl\_xml.so  
> /usr/local/rsi/idl\_6.1/bin/bin.linux.x86/libxerces-c2\_4\_0.so .24:  
> undefined symbol: cout  
> % Error occurred at: DEMOOBJ\_\_DEFINE  
> % OBJ\_NEW  
> % DEMO  
> % \$MAIN\$  
> % Execution halted at: \$MAIN\$  
> IDL>  
>  
> I dont know waht the problem is with libxerces.  
> The file 'libxerces-c2\_4\_0.so.24' is a soft-link to the file  
> 'libxerces-c2\_4\_0.so.24.0' in the same directory.  
>  
> Any idea?  
>  
> Antonio.

It looks like you still have a problem with C++. The undefined symbol

"cout" is a symbol which should exist in the core C++ libraries. I don't know where to go from here. ????

-Mike

---

---

Subject: Re: IDL problems with XML !!

Posted by [Robert Barnett](#) on Wed, 04 May 2005 22:48:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I've had the same problem for a while and threw it in the "too hard basket". You don't just need libstdc++, you actually need libstdc++ as it was packaged for mandrake and redhat. The distribution I use (gentoo) has a compatibility package lib-compat - "Compatibility C++ and libc5 and libc6 libraries for programs new and old". I recommend looking for an equivalent package in your distribution.

If you can't find one then you need to install libstdc++ yourself. I'm guessing that redhat/mandrake used libstdc++ for gcc 2.95.3 or something close to that (Perhaps you can verify it with RSI). You can get gcc from <ftp://gcc.gnu.org/pub/gcc/releases/> Don't make the entire of gcc, just "make all-target-libstdc++".

Another option is to include the binaries themselves. There are numerous versions floating around. For example:

> When migrating users from a Mandrake 6 box, we found that some C++  
> binaries were broken due to our missing libstdc++-libc6.1-2.so.3.  
> lib-compat doesn't provide this one, but it really should. creating  
> symlinks to either of the other libstdc++-libc6\*so's seemed to work,  
> but I decided to go with the Mandrake binary for certainty (see the  
> tarball)  
> <http://dev.gentoo.org/~eradicator/lib-compat-add.tar.bz2>

As you can see, this is a general issue with migrating binaries from redhat and mandrake.

Another thing to note is that there is a makefile in [/usr/local/rsi/idl\\_6.0/bin/bin.linux.x86](/usr/local/rsi/idl_6.0/bin/bin.linux.x86) I wonder if it is possible to build objects like `libxerces-c1_7_0.so` over itself so that we (and RSI) don't have to worry about the compatibility libraries.

I can't really give a detailed way to solve this without knowing the distribution. But I hope this post gives you a few options to get it working.

--

Robbie Barnett  
Sydney Australia

---

---

Subject: Re: IDL problems with XML !!  
Posted by [Antonio Santiago](#) on Thu, 05 May 2005 06:45:45 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Robert Barnett wrote:

>  
> What version of libstdc++ did you install?  
>  
>

I have two:

libstdc++.so.5.0.7  
libstdc++.so.6.0.4

---

---

Subject: Re: IDL problems with XML !!  
Posted by [Antonio Santiago](#) on Thu, 05 May 2005 07:40:14 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Antonio Santiago wrote:

> Hi,  
> I have just installed IDL on my laptop with an Ubuntu (debian based)  
> distribution.  
> I had a problem with libstdc++ but I was resolve with a link (see this  
> [http://groups-beta.google.com/group/comp.lang.idl-pvwave/browse\\_frm/thread/c9df1db8851fb4b7/5729be364888e32e?q=libstdc%2B%2B&rnum=2&hl=en#5729be364888e32e](http://groups-beta.google.com/group/comp.lang.idl-pvwave/browse_frm/thread/c9df1db8851fb4b7/5729be364888e32e?q=libstdc%2B%2B&rnum=2&hl=en#5729be364888e32e)  
> )  
>  
> Now the problem is here:  
>  
> IDL> demo  
> % Embedded IDL: Research Systems, Inc., IDL Demo.  
> % Restored file: DEMO.  
> % Error loading sharable executable.  
> Symbol: IDL\_Load, File =  
> /usr/local/rsi/idl\_6.1/bin/bin.linux.x86/idl\_xml.so  
> /usr/local/rsi/idl\_6.1/bin/bin.linux.x86/libxerces-c2\_4\_0.so .24:  
> undefined symbol: cout

```
> % Error occurred at: DEMOOBJ__DEFINE
> %          OBJ_NEW
> %          DEMO
> %          $MAIN$
> % Execution halted at: $MAIN$
> IDL>
>
> I dont know waht the problem is with libxerces.
> The file 'libxerces-c2_4_0.so.24' is a soft-link to the file
> 'libxerces-c2_4_0.so.24.0' in the same directory.
>
> Any idea?
>
> Antonio.
```

Well, this is an autor-reply :)

Finally I found the package needed to run idl and load correctly the XML module.

I use Ubuntu (Debian based) distribution and the magic package (among others) is:

libstdc++2.10-glibc2.2

Bye.

--

-----  
Antonio Santiago Piñeres  
( email: [santiago@grahi.upc.edu](mailto:santiago@grahi.upc.edu) )  
( www: <http://www.grahi.upc.edu/santiago> )  
( www: <http://asantiago.blogspot.org> )  
-----

GRAHI - Grup de Recerca Aplicada en Hidrometeorologia  
Universitat Politècnica de Catalunya  
-----