Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Michael Wallace on Mon, 01 May 2006 21:26:42 GMT
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> I knew it was going to happen eventually... I have just upgraded to IDL
> 6.3 (Windows 32-bit) and the IDLtoAVI DLM no longer works.

Um, correct me if I'm wrong, but I don't believe that IDL 6.3 has been
released yet. At least RSI's website still says that IDL 6.3 is "coming
soon." If you got your hands on a beta, I think that may explain your
problem... it's beta software...

-Mike

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by mmeron on Mon, 01 May 2006 21:38:07 GMT
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In article <125cv5815rjj993@corp.supernews.com>, Michael Wallace
<mwallace.nospam@swri.edu.invalid> writes:
>> I knew it was going to happen eventually... I have just upgraded to IDL
>> 6.3 (Windows 32-bit) and the IDLtoAVI DLM no longer works.
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> Um, correct me if I'm wrong, but I don't believe that IDL 6.3 has been
> released yet. At least RSI's website still says that IDL 6.3 is "coming
> soon." If you got your hands on a beta, I think that may explain your
> problem... it's beta software...
>
I just got my 6.3 upgrade, so yes, it has been released.

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Michael Wallace on Mon, 01 May 2006 21:50:08 GMT
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mmeron@cars3.uchicago.edu wrote:
> In article <125cv5815rjj993@corp.supernews.com>, Michael Wallace
<mwallace.nospam@swri.edu.invalid> writes:
>
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>> soon." If you got your hands on a beta, I think that may explain your
>> problem... it's beta software...
>>
>
> I just got my 6.3 upgrade, so yes, it has been released.

Well, I guess I'm waiting patiently for my copy then...

-Mike

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Mark Hadfield on Mon, 01 May 2006 23:41:32 GMT
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FYI, Oleg's DLLs are at

http://www.rsinc.com/codebank/search.asp?FID=139

and were last updated in Jan 2005

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Haje Korth on Tue, 02 May 2006 12:11:44 GMT
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This is exactly the reason why I never adopted the new DLM version. Little
changes in the API and DLMs simply won't work anymore. I had to recompile
all my DLMs for use with IDL 6.3 beta back then. I hope Oleg will provide an
updated version. If not, someone (if it has to be me I will) can supply a
recompiled version of the old source. However, this is just a temporary
solution. In the long run, RSI really needs to support AVIs in IDL. I have
been trying to push for that but if you want this to happen, they will need
your input as well!

Cheers,
Haje

"Mark Hadfield" <badjelly.witch@gmail.com> wrote in message
 news:1146526892.583606.266290@j73g2000cwa.googlegroups.com.. .
> FYI, Oleg's DLLs are at
>
> http://www.rsinc.com/codebank/search.asp?FID=139
>

> and were last updated in Jan 2005
>

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Haje Korth on Tue, 02 May 2006 12:12:30 GMT
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Web site says they started shipping to current customers on 4/24.

"Michael Wallace" <mwallace.nospam@swri.edu.invalid> wrote in message
news:125cv5815rjj993@corp.supernews.com...
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>> 6.3 (Windows 32-bit) and the IDLtoAVI DLM no longer works.
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> problem... it's beta software...
>
> -Mike

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by ronn on Tue, 02 May 2006 13:02:25 GMT
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Hello Everyone,

Thanks for reminding me about having to update this dll for 6.3.

Please go to

http://www.kilvarock.com/freesoftware/dlms/avi.htm

to get the IDL6.3 version. I linked this with the beta version since I
haven't received the release one yet. As soon as I do I will double
check to make sure it works.

-Ronn

Ronn Kling
KRS, inc.
email: r...@rlkling.com
Use these books to upgrade your IDL skills.
"Application Development with IDL"

"Calling C from IDL, Using DLM's to extend your IDL code". SECOND
EDITION includes C++ and debugging!
"Power Graphics with IDL, A Beginner's Guide to Object Graphics",

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Chris[2] on Tue, 02 May 2006 13:30:42 GMT
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Hi Mark,

In IDL6.3, the "idl32.dll" was renamed to "idl.dll" so that both the 32-bit
and the 64-bit Windows would have the same DLL name (same thing for
"idl.lib"). This makes it simpler for someone to have a makefile that they
can use to compile their own DLL on both 32-bit and 64-bit Windows, and not
have to change the IDL library name. This change is documented in the IDL6.3
release notes.

In any case, the entry points have changed enough between IDL6.2 and IDL6.3
that a previously-compiled dll will not work, even if the library names
hadn't been changed. So really, someone needs to recompile the avi.dll and
link it against IDL6.3.

-Chris

<badjelly.witch@gmail.com> wrote in message
 news:1146515445.899454.35570@v46g2000cwv.googlegroups.com...
> I knew it was going to happen eventually... I have just upgraded to IDL
> 6.3 (Windows 32-bit) and the IDLtoAVI DLM no longer works.
>
> I did the same thing I have done for several version upgrades now. I
> copied IDLtoAVI.dll and IDLtoAVI.dlm from IDL62\bin\bin.x86 to
> IDL63\bin\bin.x86, started the new version and tried to run the DLM. I
> got a message about IDL32.dll not being found on the path. I noted that
> there is a copy of IDL32.dll in IDL62\bin\bin.x86 but not in
> IDL62\bin\bin.x86, so I copied that over too, restarted and tried
> again. I didn't seriously expect that this would work, and it didn't:
> IDL gave and error message about a bad entry point and crashed. I
> presume this is related to the introduction of 64-bit Windows.
>

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by badjelly.witch on Tue, 02 May 2006 21:46:41 GMT
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Thanks Ronn

I tried out the new 6.3 version. It is not writing AVIs properly. As you know, your test program aviKRtest.pro calls avi_openw with the OPTION keyword set, so that it shows a "Video Compression" dialog for setting the AVI format etc. If I accept the default (Full Frames Uncompressed) then an AVI file is produced, but it is not readable, either by the IDL code later in the routine or by an external application. If I change the AVI format to Microsoft Video 1 (an oldie but a goodie) then I get an error: "AVI_OPENW: Unable to avi stream format".

BTW: at your leisure, perhaps you could clarify the relationship between your DLM and Oleg's DLL and your plans for the DLM. Is there any chance of merging some of Oleg's 2005 improvements into your version? Also, do you intend to keep upgrading your DLM for new versions of IDL. (I presume you do, as you have just done it for 6.3!). And does/could your DLM work with 64-bit Windows? As I have said, I find your DLM extremely useful and am keen to see it continue. I would be willing to pay money to ensure this happens.

BTW 2: receiving new IDL versions Here in NZ *before* everyone else is a new experience. IN the good old days we were weeks behind. They must be feeding the carrier pigeons extra rations!

Mark

Subject: Re: Upgrade to IDL 6.3 breaks IDLtoAVI
Posted by Mark Hadfield on Tue, 02 May 2006 21:59:58 GMT
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Haje Korth wrote:
> This is exactly the reason why I never adopted the new DLM version. Little
> changes in the API and DLMs simply won't work anymore. I had to recompile
> all my DLMs for use with IDL 6.3 beta back then. I hope Oleg will provide an
> updated version. If not, someone (if it has to be me I will) can supply a
> recompiled version of the old source. However, this is just a temporary
> solution. In the long run, RSI really needs to support AVIs in IDL. I have
> been trying to push for that but if you want this to happen, they will need
> your input as well!

Hear hear!

--
Mark Hadfield   "Kei puwaha te tai nei, Hoea tahi tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)