
Subject: Re: KRS AVI plugin

Posted by [Robert Moss, PhD](#) on Wed, 30 Sep 2009 18:58:31 GMT

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On Sep 29, 11:23 am, Robert Moss <robert.m...@gmail.com> wrote:

> On Sep 28, 10:55 pm, Robert Moss <robert.m...@gmail.com> wrote:

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>> On Sep 28, 2:49 pm, Robert Moss <robert.m...@gmail.com> wrote:

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>>> On Sep 27, 12:01 pm, Robert <robert.m...@gmail.com> wrote:

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>>>> On Sep 27, 11:58 am, Robert Moss <robert.m...@gmail.com> wrote:

>

>>>> > I ma having a bit of trouble installing the AVI plugin from Ronn
>>>> > Kling. I have installed the plug in via the Eclipse update mechanism.
>>>> > The workbench tells me it is not installed correctly: under Status it
>>>> > says "No plug-in: "com.rlkling.idl.contrib.avi.windows" included at
>>>> > runtime.".

>

>>>> > (I did not even get that much information until I moved the
>>>> > MANIFEST.MF file into a META-INF subdirectory. Prior to that the
>>>> > Status told me "Plug-in "com.rlkling.idl.contrib.avi.windows" version
>>>> > "2.0.0" referenced by this feature is missing.")

>

>>>> > Now when I try to run (for example) the fastAVIdisplay example code, I
>>>> > get this error:

>

>>>> > % OBJ_NEW: Error loading sharable executable.
>>>> > Symbol: IDL_Load, File = C:\3rd
>>>> > Party\ITT\IDL708\idlde\plugins
>>>> > \com.rlkling.idl.contrib.avi.windows_2.0
>>>> > .0\KRSgrAVI.dll
>>>> > This application has failed to start because the
>>>> > application
>>>> > configuration is incorrect. Reinstalling the application
>>>> > may fix this
>>>> > problem.

>>>> > % Execution halted at: FASTAVIDISPLAY 26 C:\3rd
>>>> > Party\ITT\IDL708\idlde\plugins
>>>> > \com.rlkling.idl.contrib.avi.windows_2.0.0\fastAV
>>>> > Idisplay.pro

>

>>>> > Obviously I have already tried uninstalling and reinstalling the plug
>>>> > in, but alas.

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>>>> > Any ideas what missing?
>
>>>> > r
>
>>>> Ok, just for grins I uninstalled and reinstalled the plug in once
>>>> more. I did not modify anything. When I try and run fastAVIdisplay.pro
>>>> I get this error:
>
>>>> % OBJ_NEW: Error loading sharable executable.
>>>>     Symbol: IDL_Load, File = C:\3rd
>>>>     Party\ITT\IDL708\idlde\plugins
>>>> \com.rklking.idl.contrib.avi.windows_2.0
>>>> .0\KRSgrAVI.dll
>>>>     This application has failed to start because the
>>>> application
>>>>     configuration is incorrect. Reinstalling the application
>>>> may fix this
>>>>     problem.
>>>> % Execution halted at: FASTAVIDISPLAY   26 C:\3rd
>>>> Party\ITT\IDL708\idlde\plugins
>>>> \com.rklking.idl.contrib.avi.windows_2.0.0\fastAV
>>>> Idisplay.pro
>
>>>> Sigh.
>
>>>> r- Hide quoted text -
>
>>>> - Show quoted text -
>
>>> I believe this error is caused by the lack of C runtime libraries on
>>> the machine. You can get the runtime redistributable libraries
>>> at http://www.microsoft.com/DOWNLOADS/details.aspx?familyid=9B2DA534-3E0...
>
>>> I will report here if this solves my problem. I started this thread,
>>> might as well finish it.
>
>>> r
>
>> Still no joy. Installing the runtime libraries has not helped. I am
>> guessing it is a VC80 version issue, or perhaps something wrong with
>> the manifest in the KRSgrAVI DLL, but who knows? Has anyone gotten the
>> latest KRSgrAVI to work with IDL 7.0.8?
>
>> r- Hide quoted text -
>
>> - Show quoted text -
>

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> It appears that in order for the 2.0.0 KRSgrAVI DLL to work, you must
> have installed the most recent (?) security update for the C runtime
> redistributable. The link I gave above is does NOT include the
> security update. Apparently DLLs created on systems onto which the
> security update has been installed will REQUIRE the new DLL be
> installed on any client machine. The DLL in question is
> Microsoft.VC80.CRT version 8.0.50727.4053. (The version linked to in
> the earlier post was version 3053). As soon as I have installed this
> latest version, I will report back.
>
> r- Hide quoted text -
>
> - Show quoted text -

Well, good news and bad news:

The Good News: Installing the proper version of the C runtime library (Microsoft.VC80.CRT version 8.0.50727.4053) solves the problem with loading the KRSgrAVI DLL.

The Bad News: Everything seems to work great, as long as the movie is not too large. I have not explored this thoroughly, but if your movie is small (say, just a few MB) all is well. If, on the other hand, your movie is large (say 650 MB or larger) IDL crashes when trying to load the KRSgrAVIreader object. I am running IDL 7.0.8 by the way.

I am suspicious that the reader object is attempting to read the entire movie into memory, and therefore it is crashing IDL when the movie is too large. I am hoping this is NOT the case, because if it is then analyzing a very large (multi-GB) movie file will be out of the question.

Does anyone out there know if older versions of this DLL have a problem with large files?

r
