
Subject: Re: KRS AVI plugin

Posted by [Robert Moss, PhD](#) on Sun, 27 Sep 2009 16:01:45 GMT

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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
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```

Sigh.

r

Subject: Re: KRS AVI plugin
Posted by [Robert Moss, PhD](#) on Mon, 28 Sep 2009 18:49:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 27, 12:01 pm, Robert <robert.m...@gmail.com> wrote:
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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=9B2DA534-3E03-4391-8A4D-074B9F2BC1BF&displaylang=en>

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Subject: Re: KRS AVI plugin

Posted by [Robert Moss, PhD](#) on Tue, 29 Sep 2009 02:55:54 GMT

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the manifest in the KRSgrAVI DLL, but who knows? Has anyone gotten the
latest KRSgrAVI to work with IDL 7.0.8?

r

Subject: Re: KRS AVI plugin
Posted by [Mark\[1\]](#) on Tue, 29 Sep 2009 03:23:23 GMT

In case anyone's interested, I'm happy with the DLL version of the AVI processor, picked up from the ITTvis site IIRC. This is invoked via CALL_EXTERNAL. The disadvantage is that you have to call it thru a wrapper function, and if you get it wrong, IDL terminates swiftly and silently, which makes debugging tricky. The advantage is that once this is sorted out, it just works and seems to be resilient to IDL upgrades.

It's in the Motley library:

<http://www.dfanning.com/hadfield/idl/README.html>

Subject: Re: KRS AVI plugin
Posted by [Mark\[1\]](#) on Tue, 29 Sep 2009 03:25:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 29, 4:23 pm, Mark <mark.h...@gmail.com> wrote:

> It's in the Motley library:
>
> <http://www.dfanning.com/hadfield/idl/README.html>

No it isn't. Well, it should be!

Subject: Re: KRS AVI plugin
Posted by [David Fanning](#) on Tue, 29 Sep 2009 04:17:05 GMT
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Mark writes:

>> It's in the Motley library:
>>
>> <http://www.dfanning.com/hadfield/idl/README.html>
>
> No it isn't. Well, it should be!

Time for an update? :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Subject: Re: KRS AVI plugin

Posted by [Robert Moss, PhD](#) on Tue, 29 Sep 2009 15:23:09 GMT

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Subject: Re: KRS AVI plugin

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

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

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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

Subject: Re: KRS AVI plugin
Posted by [ronn](#) on Thu, 01 Oct 2009 09:23:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

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Hi Robert,

No, it doesn't read it all into memory, only one frame at a time. Plus, I make movies that large all the time. However, what I have noticed with the really large movies is that if I use one codec to compress/decompress IDL may crash but using another one (with the same data) works fine. I even have a case where the Divx codec works fine on my laptop for movies but the same codec does not work on my desktop. I have no idea why.

Ronn Kling
