
Subject: MPEG4 in IDL

Posted by [Haje Korth](#) on Fri, 28 Feb 2003 15:58:40 GMT

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Hello everyone,

I was wondering if anyone has written MPEG4 videos in IDL yet. If so, please let me know how to get/compile the necessary libraries. Thanks for helping.

Haje

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Subject: Re: MPEG4 in IDL

Posted by [Rick Towler](#) on Mon, 03 Mar 2003 17:47:08 GMT

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"Haje Korth" wrote...

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Yes and no. Are people encoding their IDL animations using MPEG4, yes. Is this being done in IDL, no.

There have been a few hints here and there that people were thinking about writing a platform independent <insert codec here>.dml but I think that these projects all stall when the authors learn the amount of work involved. For most it is hard to justify the investment in time when you can simply write the frames in IDL and use another application to encode them into the movie file of choice.

The only .dml I know of which allows you to create MPEG4 videos in IDL is Ronn Kling's aviIDL package. This windows only dml is essentially a wrapper for the video for windows interface which allows you to use the codecs installed on your machine to encode frames from within IDL. You still will need to come up with the codec yourself. The dml can be found here:
<http://www.kilvarock.com/freesoftware/dlms/avi.htm>

-Rick

Subject: Re: MPEG4 in IDL

Posted by [R.Bauer](#) on Mon, 03 Mar 2003 18:20:27 GMT

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Dear all,

I don't know how much data images you have but why not using a realmedia file.

In difference to mpeg or avi you don't need to store about twenty times a image if you want to see it for one second.

regards

Reimar

Rick Towler wrote:

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> -Rick

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Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/

=====

a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: MPEG4 in IDL
Posted by [Haje Korth](#) on Mon, 03 Mar 2003 21:23:26 GMT
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Rick,
thanks for your hint. I had heard of the AVI DLM before but I did not not
that you can use it with other codecs. Now I just have to convince Ronn to
produce an IDL 5.6 compatible version....

Greetings,
Haje

--

"Rick Towler" <rtowler@u.washington.edu> wrote in message
news:b404fc\$22ps\$1@nntp6.u.washington.edu...

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Subject: Re: MPEG4 in IDL

Posted by [Rick Towler](#) on Mon, 03 Mar 2003 22:25:55 GMT

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> that you can use it with other codecs. Now I just have to convince Ronn to
> produce an IDL 5.6 compatible version....

Yes. It is a nice feature of VFW. Just so you know, aviIDL will produce an AVI as the name suggests, not an .mpg file. It is a matter of file format, not compression technique. It probably won't matter but you could use avi2mpg or a similar program to convert the .avi to an .mpg file if you really needed the file in MPEG format. Also, I have used the Microsoft MPEG4 codec V2 without problems but the V3 codec hasn't worked. I didn't investigate much since I mainly use the DivX codec anyway.

If I remember correctly, one limitation is that you will need to call the configuration dialog to select a different codec than raw uncompressed (which is the default). I haven't worked with it lately so I don't remember if you need to do this every time you open a file for writing or just the first time. This would be an issue if you needed to automatically process data without user intervention. I was going to extend the dlm so that you could pass codec and codec parameters from IDL but that never happened.

Another possible issue is with windows XP. One user has encountered issues with the dlm and winXP but I don't know if the problem was resolved.

Out of curiosity, have you tried the 5.5 version with 5.6?

-Rick

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> "Rick Towler" wrote in message

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Subject: Re: MPEG4 in IDL

Posted by [Haje Korth](#) on Tue, 04 Mar 2003 13:00:50 GMT

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Rick,

Thanks for the further info. No, I haven't tried this particular the v5.5
DLM with IDL 5.6. However, I have used a different DLM that required
compilation separately for each of the past three IDL version (5.4-5.6). I

assumed it would be no different for the AVI DLM. By the way, Ronn Kling already sent the DLM by mail.

When you said that you wanted to extend the DLM, I was wondering if you actually have the source code?

Greetings,
Haje

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"Rick Towler" <tsehai@attbi.com> wrote in message
news:TDQ8a.342912\$be.316899@rwcrrnsc53...

>

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