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Subject: IDL Virtual Machine information

Posted by [Liam E. Gumley](#) on Thu, 26 Jun 2003 14:37:04 GMT

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A particularly interesting feature of IDL 6.0 is the IDL Virtual Machine, which will allow developers to distribute compiled cross-platform applications that do not require IDL to run.

For more information:

[http://www.rsinc.com/idl/idlvm\\_faq.asp](http://www.rsinc.com/idl/idlvm_faq.asp)

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>

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Subject: Re: IDL Virtual Machine information

Posted by [David Fanning](#) on Mon, 30 Jun 2003 18:01:21 GMT

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Vinay L. Kashyap writes:

> (which is part of the PINTofALE suite, see

PINTofALE!? You guys must be physicists. :-)

Cheers,

David

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Subject: Re: IDL Virtual Machine information

Posted by [Haje Korth](#) on Mon, 30 Jun 2003 19:35:20 GMT

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Thanks for the example! Haje

"Vinay L. Kashyap" <kashyap@head-cfa.harvard.edu> wrote in message news:3f0077bd\$1@cfanews.cfa.harvard.edu...

> In article <bdp94e\$jfg\$1@houston.jhuapl.edu>,

> Haje Korth <haje.korth@jhuapl.edu> wrote:

>> which is not available in VM mode. This seems to be used by many people,

>> even though I haven't discovered its usefulness. (Maybe someone could

>> describe a scenario, where I really need this and cannot find a quick

>> workaround. Maybe I have been missing out on something great here.)  
>>  
>> Greetings,  
>> Haje  
>  
> Here is an example:  
> <http://hea-www.harvard.edu/PINTofALE/pro/fitting/adjustie.pr o>  
> (which is part of the PINTofALE suite, see  
> <http://hea-www.harvard.edu/PINTofALE/doc/FITLINES.howto> )  
>  
> We use EXECUTE() to define constraints among fit parameters. Given  
> the large number of possible constraints, there is no other way to  
> set up a flexible constraint at run time. For instance, one might  
> come across a constraint such as "flux in line 2 is between 2 and 3  
> times the flux in line 1." Or, "line 2 is at a fixed distance from  
> line 1, with some error." Or, "if line 1 has flux greater than some  
> threshold then line 2 is located at this position, otherwise at this  
> other, slightly different, position." Etc.  
>  
> Vinay  
> --  
>

---

> kashyap@head-cfa.harvard.edu      617 495 7173 [CfA/P-143] 617 496 7173  
[F]  
> ----- And now a word from our sponsor -----  
> For a secure high performance FTP using SSL/TLS encryption  
> upgrade to SurgeFTP  
> ---- See [http://netwinsite.com/sponsor/sponsor\\_surgeftp.htm](http://netwinsite.com/sponsor/sponsor_surgeftp.htm) ----

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Subject: Re: IDL Virtual Machine information  
Posted by [Haje Korth](#) on Tue, 01 Jul 2003 11:57:47 GMT  
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I tried using an IDL external DLM, so you should be fine!

Haje

<tbb0301@mail.lrz-muenchen.de> wrote in message  
news:Pine.SOL.4.55.0307011038100.1510@sun2.lrz-muenchen.de..  
> Hi,  
>  
> just to be sure: did you use a RSI supplied DLM or an "external" one ?  
>

> Thanks  
>  
> Stephan  
>  
> On Mon, 30 Jun 2003, Haje Korth wrote:  
>  
>> Ok, I just tried the DLM issue myself using the beta version. Result:  
DLMs  
>> DO work in VM mode!  
>>  
>> Haje  
>>  
>> --  
>>  
>> <tbb0301@mail.lrz-muenchen.de> wrote in message  
>> news:Pine.SOL.4.55.0306301004370.435@sun2.lrz-muenchen.de...  
>>> On Fri, 27 Jun 2003, Gert Van de Wouwer wrote:  
>>>  
>>>>  
>>>> "Liam Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message  
>>>> news:bdf0ei\$oce\$1@news.doit.wisc.edu...  
>>>> > A particularly interesting feature of IDL 6.0 is the IDL Virtual  
>> Machine,  
>>>>  
>>>  
>>> My basic understanding after talking to the local distributor was that  
>>> DLM are not allowed for VM.  
>>>  
>>> Best regrads  
>>>  
>>> Stephan  
>>>> But a problem I see is the use of DLM's that I often use. I need to  
>> rebuild  
>>>> them every time there is a IDL upgrade (and they are not backwards  
>>>> compatible). Anyone any thoughts how this would be with the VM?  
>>>  
>>  
> -----  
>> ----  
>>> Dr. Stephan Nekolla                      Telefon:    (49) (0) 89  
>> 4140-2959  
>>> <http://www.nuk.med.tu-muenchen.de> Fax:    (49) (0) 89 4140-4938  
>>> Klinik und Poliklinik fuer Nuklearmedizin E-Mail:  
>> s.nekolla@lrz.tu-muenchen.de  
>>> Klinikum rechts der Isar der Technischen Universitaet Muenchen  
>>> Ismaningerstr. 22 D-81675 Muenchen  
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> Dr. Stephan Nekolla                      Telefon:    (49) (0) 89  
4140-2959  
> <http://www.nuk.med.tu-muenchen.de> Fax:    (49) (0) 89 4140-4938  
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Subject: Re: IDL Virtual Machine information  
Posted by [Haje Korth](#) on Tue, 01 Jul 2003 12:06:58 GMT  
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Andy,  
I doubt that your problems are due to the license manager connection itself, unless you do not have enough licenses and actually have to wait for a license. The problem that I encountered using ION is that the web servers are often old and usually by far not as fast as new desktop machines. Thus it takes longer to generate plots, especially if intense calculations are involved. After creation, these plots need to be transmitted over the internet, which can take quite a bit of time, if the images are hi-res and use plenty of colors (and you are on a dial-up). This also causes a slow down. I do not see, how the VM can help you.

Greetings,  
Haje

--  
Dr. Haje Korth  
Space Physics Group  
The Johns Hopkins University  
Applied Physics Laboratory  
MS MP3-E128  
11100 Johns Hopkins Road  
Laurel, MD 20723-6099  
USA

"Andy Loughe ( remove OMITs )" <Andrew.LougheOMIT@noaaOMIT.govOMIT> wrote in message news:3F0055D2.90600@noaaOMIT.govOMIT...

> Hello,  
>  
> Some programmers here use IDL to create dynamic plots on the web.  
> The process is a bit slow as they must connect to a license manager  
> in order to run the IDL application.  
>  
> Will IDL VM help in this regard? Namely, speed of plotting over the web?  
>  
>  
> --  
> Andrew Loughe =====  
> NOAA/OAR/FSL/AD R/FS5 | email: Andrew.Loughe@noaa.gov  
> 325 Broadway | wwwweb: www-ad.fsl.noaa.gov/users/loughe  
> Boulder, CO 80305-3328 | phone: 303-497-6211 fax: 303-497-6301  
>

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Subject: Re: IDL Virtual Machine information  
Posted by [Nigel Wade](#) on Wed, 02 Jul 2003 10:21:41 GMT  
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Andy Loughe ( remove OMITs ) wrote:

> Hello,  
>  
> Some programmers here use IDL to create dynamic plots on the web.  
> The process is a bit slow as they must connect to a license manager  
> in order to run the IDL application.  
>  
> Will IDL VM help in this regard? Namely, speed of plotting over the web?  
>  
>

That actually raises another question. According to the VM FAQ the VM always posts a banner message which can't be removed or altered. So, what happens if there is no display - does the VM start ok without the banner, or does it go away in a sulk?

--

Nigel Wade, System Administrator, Space Plasma Physics Group,  
University of Leicester, Leicester, LE1 7RH, UK  
E-mail : [nmw@ion.le.ac.uk](mailto:nmw@ion.le.ac.uk)  
Phone : +44 (0)116 2523548, Fax : +44 (0)116 2523555

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Subject: Re: IDL Virtual Machine  
Posted by [mannstein](#) on Tue, 21 Sep 2004 09:17:10 GMT  
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This morning I found a workaround. Not very nice, but it works:

In the license/lmgrd.opt file I excluded the users, which run the Virtual Machine:  
GROUP PROCESSES abcd efgh  
EXCLUDE idl GROUP PROCESSES

Nevertheless the behaviour (feature) of the license manager is quite nasty:

As long as it can get a license from the pool, it takes it. If not, it looks for other possibilities. On my notebook IDL runs under a 'personal use' license, but if the notebook is connected to our network, it occupies a license from the pool.

Any other ideas?

Hermann

mannstein wrote:

> Hello  
>  
> is there any idea around, how to avoid, that the Virtual Machine  
> takes a license out from our license server without disconnecting the  
> machine from the net?  
>  
> I tried it without success by setting the LM\_LICENSE\_FILE  
> to a dummy, but obviously the command idl -vm=... found a way to get  
> access to the license pool.  
>  
> Hermann  
>

--

!!!! Please try to avoid .doc attachments !!!!!

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DLR-Institut fuer Physik der Atmosphaere  
Oberpfaffenhofen, D-82234 Wessling Germany  
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<http://www.dlr.de/ipa/>  
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