Subject: ITools and CentOS 6.7
Posted by wlandsman on Thu, 28 Apr 2016 20:20:41 GMT

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A co-worker is having weird problems with a large IDL software package which uses ITools under Linux CentOS.   It ran fine under CentOS 6.6 but fails after an upgrade to CentOS 6.7.   I was able to verify the problems on my own machine.

To see the problem, type

IDL> iimage, dist(512)

Under CentOS 6.7 the window content is filled with bits and pieces from other windows rather than the desired image.   The rest of the ITools widget seems to be working correctly, including the histogram, the display of pixel values, and the hardcopy output of the image.   We tried switching between hardware and software rendering and using differing backing store methods without success.   We have verified the problem under both IDL 8.2 and IDL 8.5

I don't find any problems with CentOS 6.7 in either direct graphics (TV) or function graphics (IMAGE()).   So one answer might be to switch to these other systems, but the user has a large existing investment in programs written using ITools.

Thanks, --Wayne

Subject: Re: ITools and CentOS 6.7
Posted by wlandsman on Fri, 29 Apr 2016 01:20:11 GMT

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I suspect that this problem is closely related to one in the R language

 https://bugs.centos.org/view.php?id=9562

The R plot works in CentOS 6.6 (or CentOS 7.1), but displays the background image under the window in CentOS 6.7.   The solution appears to have been to update some X11 code within R, and presumably the same thing is needed for IDL.
We'll be submitting a bug report to Harris (and hoping that we won't be told that ITools is now deprecated).   -Wayne

On Thursday, April 28, 2016 at 4:20:44 PM UTC-4, wlandsman wrote:
> A co-worker is having weird problems with a large IDL software package which uses ITools under Linux CentOS.   It ran fine under CentOS 6.6 but fails after an upgrade to CentOS 6.7.   I was able to verify the problems on my own machine.
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> Thanks, --Wayne

Subject: Re: ITools and CentOS 6.7
Posted by zacharyanorman on Fri, 29 Apr 2016 04:37:35 GMT
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Hi Wayne,

I think it's safe to say that iTools is 'deprecated' which means it isn't advertised anymore but still around (just like all of the other deprecated routines). Using new, function graphics is a good idea just because they look so much nicer and have a lot more object methods to make them easier to use. Do you still see issues with the display if you do something like:

img = image(/test)

-Zach (VIS)

Subject: Re: ITools and CentOS 6.7
Posted by wlandsman on Fri, 29 Apr 2016 11:26:21 GMT
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On Thursday, April 28, 2016 at 4:20:44 PM UTC-4, wlandsman wrote:

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On Friday, April 29, 2016 at 12:37:37 AM UTC-4, Zachary Norman wrote:
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>
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