Subject: X Windows Graphics under RH Linux 5.2
Posted by Steven Riley on Mon, 19 Apr 1999 07:00:00 GMT

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I'm currently playing with IDL and trying to persuade my department to
purchase a copy. It doesn't seem to want to maintain its images in X
Windows. The charts go to the graphics window initially, but they wiull
never be updated, even to the point that if the window is minimised when
you plot initially the chart will not appear when you maximise.

Is this a problem with the demo mode (IDL 5.1 BTW), in which case I think
its bringing cripple-ware to a whole new level, or can I expect it to
persist even if we invest in the package.

TIA

Steven

Steven Riley

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Subject: Re: X Windows Graphics under RH Linux 5.2
Posted by thompson on Mon, 19 Apr 1999 07:00:00 GMT

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Steven Riley <sedm0826@sable.ox.ac.uk> writes:

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> purchase a copy. It doesn't seem to want to maintain its images in X
> Windows. The charts go to the graphics window initially, but they wiull
> never be updated, even to the point that if the window is minimised when
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> persist even if we invest in the package.

It sounds like you're having problems with the backing store. If you use the command

 DEVICE, RETAIN=2

before creating any windows, then this problem should go away.

William Thompson

In article <Pine.OSF.4.10.9904192204320.20667-100000@sable.ox.ac.uk>,
Steven Riley <sedm0826@sable.ox.ac.uk> wrote:
>   It doesn't seem to want to maintain its images in X
> Windows. The charts go to the graphics window initially, but they wiull
> never be updated, even to the point that if the window is minimised when
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> persist even if we invest in the package.

By default, IDL doesn't retain window contents. You can change this behavior
by adding a line for "idl*retain" in your .Xdefaults (or equivalent) file.
Mine .Xdefaults has the line...

idl*retain: 1

If you X server doesn't have it own backing store (old low-memory X terminals)
IDL can supply its own backing store if you specify and idl*retain of 2.

Anyone know if there's an idl*decomposed keyword? :)

Eric

--
Eric Korpela | An object at rest can never be
korpela@ssl.berkeley.edu | stopped.
Click for home page.

Subject: Re: X Windows Graphics under RH Linux 5.2
Posted by Liam Gumley on Mon, 19 Apr 1999 07:00:00 GMT

Steven Riley wrote:
> I'm currently playing with IDL and trying to persuade my department to
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> persist even if we invest in the package.

Steven,

I don't think you've encountered a limitation of the demo version; it's
just the way the PLOT command works. For example, if you type

IDL> plot, indgen(10)

and then change the window size, PLOT does not know that the window size
changed. To get this functionality, you have a few options:

(2) Download http://www.dfanning.com/programs/xwindow.pro and try this:

IDL> xwindow, 'plot', indgen(10)

(1) Try the Insight application that comes with IDL by typing the
following at the command line:

IDL> insight

Cheers,
Liam.

Liam E. Gumley
Space Science and Engineering Center, UW-Madison
http://cimss.ssec.wisc.edu/~gumley

Subject: Re: X Windows Graphics under RH Linux 5.2
Posted by davidf on Sat, 24 Apr 1999 07:00:00 GMT

Eric J. Korpela (korpela@islay.ssl.berkeley.edu) writes:

> Anyone know if there's an idl*decomposed keyword? :)

This would avoid too much confusion and give me one
less excuse to avoid working on my book. I'm dead set
against it. :-(

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: X Windows Graphics under RH Linux 5.2
Posted by David B. Wolff on Wed, 05 May 1999 07:00:00 GMT
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Steven,

You should issue a device command before opening a window

    device, retain=2

This will allow a backing store to occur and should solve your problem.

David Wolff
NASA/GSFC

Steven Riley wrote:

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