Subject: OS X Mavericks
Posted by Michael Galloy on Wed, 23 Oct 2013 21:18:08 GMT

IDL seems fine on Mavericks. Anyone with problems? You have to manually install XQuartz as usual, but that's fairly painless. More thoughts here:

http://michaelgalloy.com/2013/10/23/os-x-mavericks.html

Mike
--
www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: OS X Mavericks
Posted by cgguido on Wed, 30 Oct 2013 02:57:36 GMT

I'm running idl 7.1 on Mavericks. I have noticed that direct graphics are a little laggy, sometimes. I'll run plot, indgen(9) and nothing happens for 2 or 3 seconds, then a plot shows up. This is on the latest macbook pro, so it can't be processing power that's lacking... Any clues?

G

Subject: Re: OS X Mavericks
Posted by Michael Galloy on Wed, 30 Oct 2013 16:45:40 GMT

On 10/29/13, 7:57 PM, Gianguido Cianci wrote:
> I'm running idl 7.1 on Mavericks. I have noticed that direct graphics
> are a little laggy, sometimes. I'll run plot, indgen(9) and nothing
> happens for 2 or 3 seconds, then a plot shows up. This is on the
> latest macbook pro, so it can't be processing power that's lacking...
> Any clues?

I don't know. One curious observation: I notice that X11 is nearly always listed as "Apps Using Significant Energy".

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
Research Mathematician

Subject: Re: OS X Mavericks
Posted by cgguido on Wed, 30 Oct 2013 17:33:32 GMT
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Just checked the XQuartz site:
"Mavericks users, please use 2.7.5 rc3 or later."
Will let you guys know if that changes anything...

G

On Wednesday, October 30, 2013 11:45:40 AM UTC-5, Mike Galloy wrote:
> On 10/29/13, 7:57 PM, Gianguido Cianci wrote:
>
>> I'm running idl 7.1 on Mavericks. I have noticed that direct graphics
>
>> are a little laggy, sometimes. I'll run plot, indgen(9) and nothing
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>> happens for 2 or 3 seconds, then a plot shows up. This is on the
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> I don't know. One curious observation: I notice that X11 is nearly
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Subject: Re: OS X Mavericks
Posted by Michael Galloy on Wed, 30 Oct 2013 18:05:23 GMT
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On 10/30/13, 10:33 AM, Gianguido Cianci wrote:
> Just checked the XQuartz site:
> "Mavericks users, please use 2.7.5 rc3 or later."
> Will let you guys know if that changes anything...

Good find! This seems to take care of the power consumption problem.

Mike
--
Michael Galloy
www.michaelgalloy.com
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Research Mathematician
Tech-X Corporation

Subject: Re: OS X Mavericks
Posted by cgguido on Thu, 31 Oct 2013 02:50:03 GMT
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unfortunately, i still find plotting to be randomly laggy... no idea if it's XQuarts, or Mavericks, or IDL, or the fact that i am using 7.1... quite frustrating!

G

On Wednesday, October 30, 2013 1:05:23 PM UTC-5, Mike Galloy wrote:
> On 10/30/13, 10:33 AM, Gianguido Cianci wrote:
>
>> Just checked the XQuartz site:
>
>> "Mavericks users, please use 2.7.5 rc3 or later."
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>> Will let you guys know if that changes anything...
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> Good find! This seems to take care of the power consumption problem.
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Subject: Re: OS X Mavericks
Posted by SonicKenking on Mon, 04 Nov 2013 12:31:21 GMT
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On Thursday, October 24, 2013 8:18:08 AM UTC+11, Mike Galloy wrote:
> IDL seems fine on Mavericks. Anyone with problems? You have to manually
>
> install XQuartz as usual, but that's fairly painless. More thoughts here:
>
>
>
> http://michaelgalloy.com/2013/10/23/os-x-mavericks.html
>
>
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> Mike
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> Research Mathematician
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Hi Mike,

Do I have to install Java 1.6 to use the workbench? I installed 1.7 but it keeps asking for 1.6 on startup ... any advices? Thanks!

Subject: Re: OS X Mavericks
Posted by Dick Jackson on Mon, 04 Nov 2013 16:59:04 GMT
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On Monday, November 4, 2013 4:31:21 AM UTC-8, SonicKenking wrote:
>
> Do I have to install Java 1.6 to use the workbench? I installed 1.7 but it keeps asking for 1.6 on startup ... any advices? Thanks!

I found the same thing. If you allow it to Install, it seems to install a 1.6 (Java SE 6) runtime that Eclipse needs, but leaves your 1.7 intact as well. IDLDE and a separate Eclipse installation I have run fine now, and Safari verifies that "You have the recommended Java installed (Version 7 Update 45)."

Cheers,
-Dick

Dick Jackson Software Consulting
Victoria, BC, Canada
http://www.d-jackson.com

Subject: Re: OS X Mavericks
Posted by cgguido on Mon, 04 Nov 2013 18:52:00 GMT
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Just to keeep you updated: XQuartz 2.7.5_rc4 (xorg-server 1.14.4) still has laggy direct graphics plotting, but not consistently laggy. So nothing has changed.

Would you suggest a bug report with exelis or xquartz?

G

Subject: Re: OS X Mavericks
Posted by jsallennasa on Mon, 04 Nov 2013 18:58:32 GMT
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Has any one had issues with permissions using IDL/ENVI on Mavericks? I get a warning message "Alternate Header Direcotry: /Applications/exelis/idl82/lib/hook Problem: Unable to write to this directory" on ENVI startup, though it is clearly not a fatal error.

Thinking it was a mangled permissions issues from building the system from Time Machine (new computer with Mavericks, so used Time Machine to install all the previous system's software), but even after uninstalling ENVI and IDL and rebuilding cleanly from the installer, I get the same error message.

Running IDL 8.2.3/ENVI 5.0SP3 on Mavericks. Otherwise seems to work fine.

On Wednesday, October 23, 2013 5:18:08 PM UTC-4, Mike Galloy wrote:
> IDL seems fine on Mavericks. Anyone with problems? You have to manually
>
> install XQuartz as usual, but that's fairly painless. More thoughts here:
>
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>
> http://michaelgalloy.com/2013/10/23/os-x-mavericks.html
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> Tech-X Corporation

Subject: Re: OS X Mavericks
Posted by David Fanning on Mon, 04 Nov 2013 19:00:35 GMT
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Gianguido Cianci writes:

>
> Just to keeep you updated: XQuartz 2.7.5_rc4 (xorg-server 1.14.4) still has laggy direct
graphics plotting, but not consistently laggy. So nothing has changed.
>
> Would you suggest a bug report with exelis or xquartz?

For IDL 7.2? Depends on which organization will be most effective at
stifling their laughter, I guess. ;-)

Cheers,

David

P.S. Let's just say I'm pretty sure ExelisVis is not investing a ton of
resources into making sure direct graphics programs run quickly. Nor, I
can imagine, is anyone making and promoting computer games as a way to
sell computers. If you get anywhere, let me know. I'll hire you at twice
your present salary as my sales director. :-)

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: OS X Mavericks
Posted by cgguido on Mon, 04 Nov 2013 20:52:25 GMT
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I'd settle for DG programs running just as slowly as they used to with Mac OS X 10.8. No improvements please!

If only we knew of a well-known coyote whose graphics system seems to kinda use DG... that coyote ought to be able to persuade the "Makers" to have a looksee, no?

Meanwhile, I will try IDL 8 and report back. I guesstimate it still won't work right.

G

On Monday, November 4, 2013 1:00:35 PM UTC-6, David Fanning wrote:
> For IDL 7.2? Depends on which organization will be most effective at
>
> stifling their laughter, I guess. ;-)
>
>
>
> Cheers,
>
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>
> David
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> P.S. Let's just say I'm pretty sure ExelisVis is not investing a ton of
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> your present salary as my sales director. :-)
>
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> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: OS X Mavericks
Posted by David Fanning on Mon, 04 Nov 2013 21:12:57 GMT
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Gianguido Cianci writes:

> If only we knew of a well-known coyote whose graphics system seems to kinda use DG... that coyote ought to be able to persuade the "Makers" to have a looksee, no?

Probably just the opposite. This is the equivalent of one of my son's
finding a large rock in the bottom of his backpack. Put there, no doubt,
to slow him down enough to not embarrass the ol' man on the trail to the
lake. ;-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: OS X Mavericks
Posted by David Fanning on Mon, 04 Nov 2013 21:23:14 GMT
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David Fanning writes:

> Probably just the opposite. This is the equivalent of one of my son's
> finding a large rock in the bottom of his backpack. Put there, no doubt,
> to slow him down enough to not embarrass the ol' man on the trail to the
> lake. ;-)

Let's just say I learned several years ago on the tennis court that if
you plan to keep beating the young kids, you have to play more with your
head then you do with your body. ;-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: OS X Mavericks
Posted by John Correira on Mon, 04 Nov 2013 21:31:47 GMT
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On 11/04/2013 04:23 PM, David Fanning wrote:
> David Fanning writes:
>
>> Probably just the opposite. This is the equivalent of one of my son's
>> finding a large rock in the bottom of his backpack. Put there, no doubt,
>> to slow him down enough to not embarrass the ol' man on the trail to the
>> lake. ;-)
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> Let's just say I learned several years ago on the tennis court that if
> you plan to keep beating the young kids, you have to play more with your
> head then you do with your body. ;-)
>
> Cheers,
>
> David
>
>
>

Old and treacherous will beat young and skilled every time.

Subject: Re: OS X Mavericks
Posted by Matthew Argall on Fri, 06 Dec 2013 18:53:25 GMT
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1. In a widget application that worked fine on Snow Leopard, I now get this error

% X windows protocol error: GLXBadContext.

2. If I drag the widget from my laptop screen to my secondary monitory, it disappears entirely.

I can get around this by going into the "all desktops" view and dragging the widget application from one desktop to the other.

3. The widget window seems to be able to exist in only the bottom 2/3 of my screen.

I am using IDL 8.0 and everything worked fine in Snow Leopard. Just updated this morning...

Subject: Re: OS X Mavericks
Posted by Matthew Argall on Fri, 06 Dec 2013 19:00:43 GMT
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> 1. In a widget application that worked fine on Snow Leopard, I now get this error

But only the first time I use the application.

> 2. If I drag the widget from my laptop screen to my secondary monitory, it disappears entirely.
> 3. The widget window seems to be able to exist in only the bottom 2/3 of my screen.

This is true even for IDL's window function.

theWin = Window()

Subject: Re: OS X Mavericks
Posted by Matthew Argall on Fri, 06 Dec 2013 19:19:35 GMT
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> % X windows protocol error: GLXBadContext.

This is caused by the Window procedure, but only after the initial startup and only the first time it is used. A .Reset_Session will not cause the problem again.

IDL> window
% X windows protocol error: GLXBadContext.

Subject: Re: OS X Mavericks
Posted by Matthew Argall on Fri, 06 Dec 2013 22:00:53 GMT
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>> 1. In a widget application that worked fine on Snow Leopard, I now get this error
>> 2. If I drag the widget from my laptop screen to my secondary monitory, it disappears entirely.
>> 3. The widget window seems to be able to exist in only the bottom 2/3 of my screen.
> This is true even for IDL's window function.

2 and 3 happened when I SSH into a machine with IDL 8.2 on it.
{ x86_64 linux unix linux 8.2 Apr 10 2012   64   64}

My Mac has XQuartz 2.7.5... Did not see 2.7.5 rc3 on the website.
{ x86_64 darwin unix Mac OS X 8.0 Jun 17 2010   64   64}

Problems 2 and 3 were resolved by going to Mission Control and unchecking "Displays have separate spaces". Unfortunate because that was pretty cool. Problem 1 persists.

Subject: Re: OS X Mavericks
Posted by heatherelliott111 on Wed, 19 Feb 2014 22:52:56 GMT
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On Tuesday, October 29, 2013 9:57:36 PM UTC-5, Gianguido Cianci wrote:
> I'm running idl 7.1 on Mavericks. I have noticed that direct graphics are a little laggy, sometimes.
>
> I'll run plot, indgen(9) and nothing happens for 2 or 3 seconds, then a plot shows up. This is on the latest macbook pro, so it can't be processing power that's lacking... Any clues?
>
>
>
> G

How did you install IDL 7.1? My computer guy can't seem to get IDL 7.1 installed on a brand new macbook pro running maverick (OSX 10.9).

Subject: Re: OS X Mavericks
Posted by Michael Galloy on Wed, 19 Feb 2014 23:37:12 GMT
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<heatherelliott111@gmail.com> wrote:
> On Tuesday, October 29, 2013 9:57:36 PM UTC-5, Gianguido Cianci wrote:
>> I'm running idl 7.1 on Mavericks. I have noticed that direct graphics
>> are a little laggy, sometimes.
>>
>> I'll run plot, indgen(9) and nothing happens for 2 or 3 seconds, then a

>> plot shows up. This is on the latest macbook pro, so it can't be
>> processing power that's lacking... Any clues?
>>
>>
>>
>> G
>
> How did you install IDL 7.1? My computer guy can't seem to get IDL 7.1
> installed on a brand new macbook pro running maverick (OSX 10.9).

The installer is the hard part; if IDL is already installed there usually
isn't a problem.

If you have IDL 7.1 installed on another Mac already, try just copying it
to the new computer.

Mike
--
www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: OS X Mavericks
Posted by chris_torrence@NOSPAM on Thu, 20 Feb 2014 16:43:52 GMT
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On Wednesday, February 19, 2014 3:52:56 PM UTC-7, heathere...@gmail.com wrote:
> On Tuesday, October 29, 2013 9:57:36 PM UTC-5, Gianguido Cianci wrote:
>
>> I'm running idl 7.1 on Mavericks. I have noticed that direct graphics are a little laggy,
sometimes.
>
>>
>
>> I'll run plot, indgen(9) and nothing happens for 2 or 3 seconds, then a plot shows up. This is
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> How did you install IDL 7.1? My computer guy can't seem to get IDL 7.1 installed on a brand new macbook pro running maverick (OSX 10.9).

Just FYI, IDL 7.1 was never tested against OSX 10.9, because IDL 7.1 came out way before Mavericks. As Mike noted, you may be able to copy an existing IDL 7.1 onto the new machine, but there is no guarantee it will run properly.

Has anyone else been successful running IDL 7.x on Mavericks?

-Chris

Subject: Re: OS X Mavericks
Posted by Michael Galloy on Fri, 21 Feb 2014 18:46:07 GMT
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On 2/20/14, 9:43 AM, Chris Torrence wrote:
> Has anyone else been successful running IDL 7.x on Mavericks?

Yes, my IDL 6.4, 7.0, and 7.1.1 installations seem fine. I did not do extensive testing, but the unit tests for my library passed (I did have to make a few changes to check for version in order to not use a new feature).

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
Research Mathematician
Tech-X Corporation

Subject: Re: OS X Mavericks
Posted by cgguido on Thu, 27 Feb 2014 02:36:28 GMT
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Just to update on my original post. I was noticing a delay between typing "plot, indgen(9)" and the plot showing up in X11. Not always, not when the machine is under load, just randomly.... This was with Mavericks, and with the latest XQuartz, and with gl_driver.so renamed to gl_driver.so.backup.

That still happens, but there's an easy fix: just arrow up in Terminal, and the plot updates. Weird. Mysterious. Mystical. But not a big deal.

Otherwise 7.1.1 on Mavericks seems dandy.

Gianguido