
Subject: IDL6.0 and Mac OS 10.3

Posted by [Richard French](#) on Mon, 15 Dec 2003 12:47:18 GMT

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RSI has just sent out the following announcement:

RSI has completed testing of IDL 6.0, ENVI 4.0, and the IDL Virtual Machine on Mac OS X 10.3 (Panther).

We recommend IDL users who have not already upgraded to this version of the operating system do so as soon as possible, as it addresses the Apple bug we alerted users to in October that has the potential to cause in-memory data corruption (<http://www.rsinc.com/services/techtip.asp?wid=4333&ttid=3580>).

Panther also contains the first official release of the Apple X11 Window System for running X11-based applications on the Mac.

You can find out more about Panther by visiting the Apple Web site at <http://www.apple.com/macosx/>.

Now for my question - I've heard some horror stories about problems installing Panther on existing systems. Has anyone out there upgraded from 10.2 to 10.3 on a PowerBook G4? Any problems with the upgrade or with IDL?

Thanks very much.

Dick French

Subject: Re: IDL6.0 and Mac OS 10.3

Posted by [btt](#) on Tue, 16 Dec 2003 21:40:11 GMT

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JD Smith wrote:

> On Tue, 16 Dec 2003 07:57:00 -0700, Ben Tupper wrote:

>

>

>> Henry Roe wrote:

>>

>>> I upgraded to 10.3 on powerbook G4 a few weeks ago. Everything,
>>> including IDL6.0, works fine except the version of GNUemacs I was using
>>> stopped working. It took some hunting but I found a stable beta xemacs
>>> which works with only one or two (non-significant and non-dangerous)
>>> quirks.

>>>

>>> -Henry

>>

>> Hi,

>>
>> Which version of xemacs did you get working?
>>
>> I have made a (New Years's) resolution to use IDLWAVE but I have been
>> unable to get emacs to work. It's the perfect excuse for not following
>> my resolution, but I really have the time to learn emacs now!
>>
>> IDL 6.0 personal license on a G4 OS 10.3 (upgrade) works just fine for
>> us.
>
>
> Though I don't use OSX (yet), I thought I'd offer the following
> observations regarding Emacs on OSX. The Carbon version of Emacs uses a
> very new bleeding-edge Emacs source (21.3.50) which has given IDLWAVE
> users problems when running the shell (it's unclear if it's the
> newer-than-new Emacs version or the Carbon-based flavor which is the
> culprit). The X11 versions of both Emacs and XEmacs are working without
> problem. Since you need X11 to run IDL anyway, using an X-based Emacs
> shouldn't be a problem.
>
> JD

Hi,

Yes, I see from the error log when I try IDLWAVE's makefile that my version of emacs is indeed 21.3.50. However, I can't get past the installation of IDLWAVE 5.2 without generating fatal errors. I don't know how to make an end run around the Carbonized version to install X-based emacs. Or is it that I am running the same emacs but from a terminal session? ("The fog of unix maintenance creeps in on cats paws." Henry Wadsworth Longinterger.)

I freely admit that my understanding of emacs-y things is pretty wobbly... but last time I was able to bull my way through. Not this time I guess. I'll sleep on it - and start fresh tomorrow and all will be well.

Ben

Subject: Re: IDL6.0 and Mac OS 10.3
Posted by [carsten_dominik](#) on Fri, 19 Dec 2003 08:35:43 GMT
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Ben Tupper <btupper@bigelow.org> wrote in message
news:<[brnu49\\$4vilo\\$1@ID-189398.news.uni-berlin.de](#)>...

> Hi,
>
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> Ben

Hi Ben,

the easiest way to get an X11 based Emacs on the Mac is through fink.
Install the basic fink stuff from <http://fink.sourceforge.net/>
After that all it needs is to go to the command line and do

fink install emacs

- Carsten

Subject: Re: IDL6.0 and Mac OS 10.3
Posted by [btt](#) on Tue, 23 Dec 2003 18:42:41 GMT
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Thank you for the tip, Carsten. I'll give it a whirl.
Ben

Carsten Dominik wrote:

> Ben Tupper <btupper@bigelow.org> wrote in message
news:<[brnu49\\$4vilo\\$1@ID-189398.news.uni-berlin.de](mailto:brnu49$4vilo$1@ID-189398.news.uni-berlin.de)>...
>
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>
> - Carsten

Subject: Re: IDL6.0 and Mac OS 10.3
Posted by [JD Smith](#) on Mon, 21 Mar 2005 21:09:41 GMT
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On Fri, 18 Mar 2005 13:48:28 -0800, Ch. Konig wrote:

>> Though I don't use OSX (yet), I thought I'd offer the following
>> observations regarding Emacs on OSX. The Carbon version of Emacs
> uses a
>> very new bleeding-edge Emacs source (21.3.50) which has given IDLWAVE
>> users problems when running the shell (it's unclear if it's the
>> newer-than-new Emacs version or the Carbon-based flavor which is the
>> culprit). The X11 versions of both Emacs and XEmacs are working
> without
>> problem. Since you need X11 to run IDL anyway, using an X-based
> Emacs
>> shouldn't be a problem.
>>
>> JD
>
>
> Sorry to dig up old threads but I wonder if anyone got the idl shell
> working withing the Carbon Emacs (21.3.50)?
>
> I have been trying but so far not successfully. It seems to start fine,

- > shows me correct (remote) license information and then just gets stuck
- > before showing me the 'IDL> '. The license server says that it's in
- > use, but I cannot do anything, rather my hold Emacs freezes until I
- > manually kill the idl thread.
- >
- > The IDLWAVE FAQ mention a file '~/.MacOSX/environment.plist', which I
- > did not have and the creation of which (soft-linked to my .cshrc) did
- > not change anything.
- >
- > Anybody knows? Everybody using fink's xemacs? I'd really like the
- > Carbon Emacs...

Well, I did just get a shiny new powerbook last week, so chances are reasonable that something will be worked out soon, though I do plan on using X11 Emacs (mostly because I go back and forth to terminals enough that focus-follows-mouse and highlight-to-copy are hard to give up). The other thing going in your favor is that the wind has shifted and it appears an actual Emacs release after all these years is going to occur somewhat soon. This will be the first release that supports OSX Carbon. The 21.3.50 "release" really was a very early CVS snapshot pulled out of nowhere, and which hasn't been updated for well over two years. Naturally the Carbon support in Emacs is much further along now than it was two years ago. Is there a reason you are so eager to use Carbon Emacs instead of X11 (X)Emacs with IDL, which itself requires X11?

The Environment.plist thing is just a way to inject things into your environment (like \$DISPLAY, \$IDL_PATH, whatever), at the top level of OSX (as opposed to inside a shell, where Carbon Emacs would never see it).

One issue with Carbon IDLWAVE will be whether the idl sub-process magically starts X11 for you when necessary (e.g. when you display a plot, etc.)... haven't tested that yet.

JD

Subject: Re: IDL6.0 and Mac OS 10.3

Posted by [Chris Konig](#) on Tue, 22 Mar 2005 00:20:14 GMT

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- > Is there a reason you are so eager to use Carbon Emacs instead of
- > X11 (X)Emacs with IDL, which itself requires X11?

I really like Ctrl-Tab to switch between windows, e.g. between CarbonEmacs, Adobe Acrobat (Doc) and X11 (figures) and Terminal (shell)

so far). I know that I can use Ctrl-~ within X11 but I'm so used to Ctrl-Tab.

> One issue with Carbon IDLWAVE will be whether the idl sub-process
> magically starts X11 for you when necessary (e.g. when you display a
> plot, etc.)... haven't tested that yet.

I tested it (right now) and it does not. But I have X11 open all the time anyway (it's small enough), so that (luckily) is not one of my problems.

In the meantime (i.e. today) I stumbled over a (different? newer?) Carbon Emacs that runs the IDL shell just fine. It's even linked from apple.com:

http://www.apple.com/downloads/macosx/unix_open_source/carbonemacspackage.html

Version is still given as 21.3.50 but somehow it works now.

Enjoy your new PowerBook, I love mine!

Chris

Subject: Re: IDL6.0 and Mac OS 10.3
Posted by [JD Smith](#) on Tue, 22 Mar 2005 01:36:55 GMT
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On Mon, 21 Mar 2005 19:20:14 -0500, Chris Konig wrote:

>
>> Is there a reason you are so eager to use Carbon Emacs instead of
>> X11 (X)Emacs with IDL, which itself requires X11?
>
> I really like Ctrl-Tab to switch between windows, e.g. between
> CarbonEmacs, Adobe Acrobat (Doc) and X11 (figures) and Terminal (shell
> so far). I know that I can use Ctrl-~ within X11 but I'm so used to
> Ctrl-Tab.

Aha. Control-F4 is pretty cool too (not Apple/command, which I think is what you mean, but Ctrl).

>> One issue with Carbon IDLWAVE will be whether the idl sub-process
>> magically starts X11 for you when necessary (e.g. when you display a
>> plot, etc.)... haven't tested that yet.
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> I tested it (right now) and it does not. But I have X11 open all the
> time anyway (it's small enough), so that (luckily) is not one of my

> problems.

Some programs use scripts to test for X11 and fire it up if necessary... it's also probably possible to have IDLWAVE pass out to the shell "open-x11 idl" to have X11 open when idl starts. You could set idlwave-shell-explicit-file-name to "open-x11" and idlwave-shell-command-line-options to '("idl") and see what happens.

> In the meantime (i.e. today) I stumbled over a (different? newer?)
> Carbon Emacs that runs the IDL shell just fine. It's even linked from
> apple.com:
>
> http://www.apple.com/downloads/macosx/unix_open_source/carbonemacspackage.html

Very good to hear! Looks like this is a *much* more recent CVS build, from this past February.

>
> Version is still given as 21.3.50 but somehow it works now.

That's the standard name for the development version of Emacs; i.e. it is not a real version number at all but just signifies "not a release version". Many years of development go on under that one version.

> Enjoy your new PowerBook, I love mine!

Thanks. I've been a closet Mac fan since I got my Mac SE with expanded 20MB hard drive back in 1989. And of course before that my Apple II GS, with *twin* 3.5" floppy drives.

Now that I've got my Control key in its God-given location (i.e. where Caps Lock is), I'm much more comfortable.

Thanks for pointing me to that updated Carbon Emacs... I'll give it a try.

JD

Subject: Re: IDL6.0 and Mac OS 10.3
Posted by [Ken Mankoff](#) on Tue, 22 Mar 2005 23:57:04 GMT
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On Mon, 21 Mar 2005, JD Smith wrote:
>> Enjoy your new PowerBook, I love mine!
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> Now that I've got my Control key in its God-given location (i.e.
> where Caps Lock is), I'm much more comfortable.

>

Does this mean the next release of IDLWAVE [1] will support 3D physical etch-a-sketch style debugging [2]? I want to shake my Powerbook to clear breakpoints :)

[1] <http://idlwave.org/>

[2] <http://www.kernelthread.com/software/ams/>

-k.

--

<http://spacebit.dyndns.org/>

Subject: Re: IDL6.0 and Mac OS 10.3

Posted by [R.G. Stockwell](#) on Wed, 23 Mar 2005 16:34:58 GMT

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"Ken Mankoff" <mankoff@gmail.com> wrote in message
news:Pine.OSX.4.61.0503220208470.941@gouda.local...

...

> Does this mean the next release of IDLWAVE [1] will support 3D physical
> etch-a-sketch style debugging [2]? I want to shake my Powerbook to clear
> breakpoints :)

One could do that. Powerbooks have an accelerometer on them, to detect drops (and park the harddrive), and people have hacked that to do cool things. Like have the display upwards no matter how you rotate the laptop (cool!).

see:

http://www.wired.com/news/mac/0,2125,66936,00.html?tw=wn_top_head_2

I think it's a high priority for the next release of IDL.
(it could replace the "erase" command)

Cheers,
bob
