
Subject: Re: overwrite output to screen; unix vs windows
Posted by [David Fanning](#) on Wed, 27 Jun 2012 00:23:30 GMT
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jdeast@gmail.com writes:

> I'd like to print a status that runs inside a for loop and gets overwritten after each iteration, so as not to flood the screen. In unix, you can do it like this:
>
> (unix, good)
> IDL> for i=1, 5 do print, i, format='(' + string(13b) + ",i3,"% complete",\$)' & print, "
> 5% complete
>
> which prints " 1% complete", the "string(13b)" is a carriage return, but the "\$" tells it to continue on the same line, so it is promptly overwritten by " 2% complete" and so on until it finishes at " 5% complete", all on the same line. The final print, " is outside the loop and just resets the IDL prompt when it's done. In this simple example, it happens so fast you only see the final output.
>
> However, the same line, executed in windows, prints it on 5 separate lines:
>
> (windows, bad):
> IDL> for i=1, 100 do print, i, format='(' + string(13b) + ",i3,"% complete",\$)' & print, "
>
> 1% complete
> 2% complete
> 3% complete
> 4% complete
> 5% complete
>
> Is there a way to get the unix behavior in windows?

Ronn Kling's progress bar is a corker. I love it!

<http://kilvarock.com/widgets.htm>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: overwrite output to screen; unix vs windows

Posted by [jdeast](#) on Wed, 27 Jun 2012 15:37:07 GMT

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Hmmm... that looks like swatting a mosquito with an a-bomb. Surely there's a simpler way, like my working unix example?

Subject: Re: overwrite output to screen; unix vs windows

Posted by [cgguido](#) on Wed, 27 Jun 2012 15:49:12 GMT

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<http://astro.berkeley.edu/~johnjohn/idl.html#COUNTER>

For people who don't like A-bombs.

On Wednesday, June 27, 2012 10:37:07 AM UTC-5, jde...@gmail.com wrote:

> Hmmm... that looks like swatting a mosquito with an a-bomb. Surely there's a simpler way, like my working unix example?

Subject: Re: overwrite output to screen; unix vs windows

Posted by [David Fanning](#) on Wed, 27 Jun 2012 16:03:54 GMT

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jdeast@gmail.com writes:

> Hmmm... that looks like swatting a mosquito with an a-bomb. Surely there's a simpler way, like my working unix example?

Really!? It's three lines of uncomplicated code, compared to one line of really complicated code. Seems a good trade-off to me. :-)

Cheers,

David

--

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Subject: Re: overwrite output to screen; unix vs windows
Posted by [lecacheux.alain](#) on Wed, 27 Jun 2012 16:32:01 GMT
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On 27 juin, 01:00, jde...@gmail.com wrote:

> I'd like to print a status that runs inside a for loop and gets overwritten after each iteration, so as not to flood the screen. In unix, you can do it like this:

>

> (unix, good)

> IDL> for i=1, 5 do print, i, format='(' + string(13b) + ',i3,"% complete",\$)' & print, "

> 5% complete

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>

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>

> (windows, bad):

> IDL> for i=1, 100 do print, i, format='(' + string(13b) + ',i3,"% complete",\$)' & print, "

>

> 1% complete

> 2% complete

> 3% complete

> 4% complete

> 5% complete

>

> Is there a way to get the unix behavior in windows?

>

> Thanks,

> Jason

>

>

You can use a combination of T and \$ formats:

IDL> print,indgen(10),FORMAT='(10(T1,i4,\$))' & print

9

alx.

Subject: Re: overwrite output to screen; unix vs windows
Posted by [jdeast](#) on Wed, 27 Jun 2012 16:59:20 GMT
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Thanks for your help everyone.

@David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.

@Gianguido: that routine has the same problem as mine. Works in unix, not in Windows.

@alx: can that be broken up into separate commands which get executed at each cycle in a for loop?

I tried

```
print, 0, format='(t1,i4,$)' & print, 1, format='(t1,i4,$)' & print
```

but that doesn't work in unix or windows. This:

```
print, 0, format='(t1,i4,$,"" + string(13b) + "")' & print, 1, format='(t1,i4,$)' & print
```

works in unix, but not windows.

Thanks,
Jason

Subject: Re: overwrite output to screen; unix vs windows
Posted by [David Fanning](#) on Wed, 27 Jun 2012 17:18:12 GMT
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jdeast@gmail.com writes:

> @David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.

Windows users don't understand command line code. You might as well give them something they are used to. Otherwise, you are going to face support nightmares. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Subject: Re: overwrite output to screen; unix vs windows
Posted by [David Fanning](#) on Wed, 27 Jun 2012 17:52:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

jdeast@gmail.com writes:

> @David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.

I've never looked at that zip file, but all you need is the one progress bar file. All the others are test programs.

Cheers,

David

--

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Subject: Re: overwrite output to screen; unix vs windows
Posted by [jdeast](#) on Wed, 27 Jun 2012 19:27:45 GMT
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I think you're all too right that supporting windows is not a path I want to go too far down. I was just hoping there was a simple fix. Instead, I've kludged it so it limits the number of prints if `!version.os_family eq 'Windows'`.

Thanks for your help,
Jason

On Wednesday, June 27, 2012 10:52:47 AM UTC-7, David Fanning wrote:

> jdeast@gmail.com writes:

>

>> @David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss

something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.

>
> I've never looked at that zip file, but all you
> need is the one progress bar file. All the others
> are test programs.
>
> Cheers,
>
> David
>
>
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: overwrite output to screen; unix vs windows
Posted by [lecacheux.alain](#) on Wed, 27 Jun 2012 22:21:08 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 27 juin, 18:59, jde...@gmail.com wrote:

> Thanks for your help everyone.
>
> @David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.
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> @Gianguido: that routine has the same problem as mine. Works in unix, not in Windows.
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> @alx: can that be broken up into separate commands which get executed at each cycle in a for loop?
>
> I tried
>
> print, 0, format='(t1,i4,\$)' & print, 1, format='(t1,i4,\$)' & print
>
> but that doesn't work in unix or windows. This:
>
> print, 0, format='(t1,i4,\$,'" + string(13b) + "')" & print, 1, format='(t1,i4,\$)' & print
>
> works in unix, but not windows.
>

> Thanks,
> Jason
>
>

I am not aware of "overwrite" format in IDL FORTRAN formats.
But you might achieve your goal by mixing with IDL C-style formats.
For instance, doing the following code in a Windows command window, I
can overwrite on a same output line all the 11 numbers, one per
second.

```
IDL> .run
- for i=0,10 do begin
- print,i,FORMAT='( "%\b%d", $) '
- wait,1
- endfor
- print
- end
% Compiled module: $MAIN$.
10
IDL>
```

%" ... " are delimiters for C-style format; \b is the escape code for
backspace.
Please refer to the documentation.

alain.

Subject: Re: overwrite output to screen; unix vs windows
Posted by [jdeast](#) on Sat, 30 Jun 2012 21:50:34 GMT
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Excellent, thanks! It doesn't work from the IDLDE interface in windows, but I'll take it.

(Sorry for the late reply, I had given up.)

Jason

On Wednesday, June 27, 2012 3:21:08 PM UTC-7, alx wrote:

> On 27 juin, 18:59, jde...@gmail.com wrote:

>> Thanks for your help everyone.

>>

>> @David: I just looked at the 12 files and the widgets and it seemed like too much. Did I miss something? Are there 3 lines I can extract from those codes that do this in the terminal? This is just a minor annoyance for a minority of users, and not worth requiring an additional library and adding a GUI to my otherwise command-line only code.

>>

```

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> - print,i,FORMAT='(% "\b%d", $)'
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> - endfor
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> 10
> IDL>
>
> %" ... " are delimiters for C-style format; \b is the escape code for
> backspace.
> Please refer to the documentation.
>
> alain.

```
