
Subject: ctrl-c aborts IDL on sun?

Posted by [wmconolley](#) on Thu, 04 Mar 2004 10:28:27 GMT

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I'm used to using IDL on an alpha but recently forced to use a sun.

I discover that aborting a script with ctrl-c tends to kill IDL:

```
19 wmc@bsucena>% Interrupt encountered.
```

```
% Interrupted at: WREADU          35 /users/icd/wmc/wave/pros/wreadu.pro
```

```
% Unable to read/modify terminal characteristics.
```

```
  I/O error
```

```
wmc>
```

Does anyone know what this means? google doesn't. If its relevant, wreadu is in the middle of doing unformatted i/o.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>

Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

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Subject: Re: ctrl-c aborts IDL on sun?

Posted by [rigby](#) on Thu, 04 Mar 2004 18:32:04 GMT

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This is probably of minimal use to you, but I see something similiar when attempting to run IDL 6.0 in 64-bit mode on a Sun SunBlade 150. IDL will start up, but as soon as you try to do just about anything, you get an error message and IDL hangs, e.g.

```
IDL> window, 0
```

```
% Unable to read/modify terminal characteristics.
```

```
  Bad file number
```

The 32-bit version works fine on this system, and both the 32- and 64-bit versions work fine on a Sun Ultra.

RSI tech support was unable to make any progress on this problem :-(

--Wayne

wmc@bas.ac.uk wrote in message news:<404704cb@news.nwl.ac.uk>...

> I'm used to using IDL on an alpha but recently forced to use a sun.

> I discover that aborting a script with ctrl-c tends to kill IDL:

>

> 19 wmc@bsucena>% Interrupt encountered.
> % Interrupted at: WREADU 35 /users/icd/wmc/wave/pros/wreadu.pro
> % Unable to read/modify terminal characteristics.
> I/O error
> wmc>
>
> Does anyone know what this means? google doesn't. If its relevant, wreadu is
> in the middle of doing unformatted i/o.
>
> -W.

Subject: Re: ctrl-c aborts IDL on sun?

Posted by [wmconolley](#) on Thu, 04 Mar 2004 21:30:36 GMT

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Wayne Rigby <rigby@crd.ge.com> wrote:

> This is probably of minimal use to you, but I see something
> similiar when attempting to run IDL 6.0 in 64-bit mode
> on a Sun SunBlade 150. IDL will start up, but as soon as
> you try to do just about anything, you get an error
> message and IDL hangs, e.g.
> IDL> window, 0
> % Unable to read/modify terminal characteristics.
> Bad file number

> The 32-bit version works fine on this system, and both the 32-
> and 64-bit versions work fine on a Sun Ultra.

> RSI tech support was unable to make any progress on this problem :-)

Hmm, yes, I was rather hoping for a solution, not a hint that the
problem may be rather less soluble than I feared :-)

-W.

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
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Subject: Re: ctrl-c aborts IDL on sun?

Posted by [Rick Towler](#) on Thu, 04 Mar 2004 23:34:11 GMT

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wrote in message ...

> I'm used to using IDL on an alpha but recently forced to use a sun.

I am so sorry... My thoughts are with you in this difficult time.

> I discover that aborting a script with ctrl-c tends to kill IDL:

What version of IDL and version of Solaris?

Can you provide a simple example?

-Rick

Subject: Re: ctrl-c aborts IDL on sun?

Posted by [wmconolley](#) on Fri, 05 Mar 2004 09:30:41 GMT

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Rick Towler <rtowler@u.washington.edu> wrote:

> wrote in message ...

>> I'm used to using IDL on an alpha but recently forced to use a sun.

> I am so sorry... My thoughts are with you in this difficult time.

Hmm. Thats not too optimistic-sounding.

>> I discover that aborting a script with ctrl-c tends to kill IDL:

> What version of IDL and version of Solaris?

Sun Microsystems Inc. SunOS 5.8 Generic February 2000

{ sparc sunos unix 5.4 Sep 25 2000 32 64}

but v6.0 has the same behaviour.

> Can you provide a simple example?

n fact, simply typing ctrl-c at the command prompt when nothing else is happening is enough.

wmc>

57 wmc@bsucena>

% Interrupt encountered.

wmc>

57 wmc@bsucena>

This doesn't generate any odd err messages, just gets me out of idl.
Worse, it doesn't kill the idl process - that goes mad somewhere and
eats the cpu. But fg doesn't work.

-W.

--

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Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
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Subject: Re: ctrl-c aborts IDL on sun?

Posted by [wmconnolley](#) on Fri, 05 Mar 2004 09:39:43 GMT

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wmc@bas.ac.uk wrote:

> in fact, simply typing ctrl-c at the command prompt when nothing else
> is happening is enough.

Hmm, now I have to confess, it may be my start up script...

If I just say "idl", it is robust. Ditto "nice idl \$WU_LIB/START".

BUt when I put "nice idl \$WU_LIB/START" into a script and run the
script, it becomes ctrl-c sensitive. How odd. But probably not
idl's fault.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
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Subject: Re: ctrl-c aborts IDL on sun?

Posted by [Pepijn Kenter](#) on Fri, 05 Mar 2004 13:40:03 GMT

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wmc@bas.ac.uk wrote:

> wmc@bas.ac.uk wrote:
>

>> in fact, simply typing ctrl-c at the command prompt when nothing else
>> is happening is enough.

>
>
> Hmm, now I have to confess, it may be my start up script...
>
> If I just say "idl", it is robust. Ditto "nice idl \$WU_LIB/START".
>
> BUt when I put "nice idl \$WU_LIB/START" into a script and run the
> script, it becomes ctrl-c sensitive. How odd. But probably not
> idl's fault.

>
>

Maybe it is command shell specific and should you look in the shell man pages. What shells are you using?

Pepijn.

Subject: Re: ctrl-c aborts IDL on sun?

Posted by [wmconnolley](#) on Fri, 05 Mar 2004 13:46:36 GMT

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Pepijn Kenter <kenter_remove_spam@tpd.tno.nl> wrote:

> wmc@bas.ac.uk wrote:
>> wmc@bas.ac.uk wrote:
>>
>>> in fact, simply typing ctrl-c at the command prompt when nothing else
>>> is happening is enough.
>>
>>
>> Hmm, now I have to confess, it may be my start up script...
>>
>> If I just say "idl", it is robust. Ditto "nice idl \$WU_LIB/START".
>>
>> BUt when I put "nice idl \$WU_LIB/START" into a script and run the
>> script, it becomes ctrl-c sensitive. How odd. But probably not
>> idl's fault.
>>
>>
> Maybe it is command shell specific and should you look in the shell man
> pages. What shells are you using?

tcsh. Now its shell-ish not IDL, I've asked our own helpdesk and have soe hope of an answer.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>

Subject: Re: ctrl-c aborts IDL on sun?
Posted by [Rick Towler](#) on Fri, 05 Mar 2004 17:41:45 GMT
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wrote...

> Rick Towlerwrote:

>> wrote in message ...

>

>>> I'm used to using IDL on an alpha but recently forced to use a sun.

>

>> I am so sorry... My thoughts are with you in this difficult time.

>

> Hmm. Thats not too optimistic-sounding.

No worries. I am just sorry you had to downgrade. Solaris is fine and I have been quite happy with the hardware overall, but uSparc CPU's leave a bit to be desired.

>>> I discover that aborting a script with ctrl-c tends to kill IDL:

>

>> What version of IDL and version of Solaris?

>

> Sun Microsystems Inc. SunOS 5.8 Generic February 2000

>

> { sparc sunos unix 5.4 Sep 25 2000 32 64}

>

> but v6.0 has the same behaviour.

>

>> Can you provide a simple example?

>

> n fact, simply typing ctrl-c at the command prompt when nothing else
> is happening is enough.

I agree with Pepijn that it is probably related to your shell. FWIW I use bash and haven't run into any problems.

-Rick

Subject: Re: ctrl-c aborts IDL on sun?
Posted by [wmconolley](#) on Fri, 05 Mar 2004 19:26:37 GMT
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Rick Towler <rtowler@u.washington.edu> wrote:

> I agree with Pepijn that it is probably related to your shell. FWIW I use
> bash and haven't run into any problems.

Thanks for the thought. I've just re-written my startup script
in bash and the problem has gone! Hurrah.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
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Subject: Re: ctrl-c aborts IDL on sun?

Posted by [Richard French](#) on Sun, 07 Mar 2004 01:13:36 GMT

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On 3/5/04 4:30 AM, in article 404848c1@news.nwl.ac.uk, "wmc@bas.ac.uk"
<wmc@bas.ac.uk> wrote:

> Rick Towler <rtowler@u.washington.edu> wrote:

>> wrote in message ...

>

>>> I'm used to using IDL on an alpha but recently forced to use a sun.

>

>> I am so sorry... My thoughts are with you in this difficult time.

>

> Hmm. Thats not too optimistic-sounding.

>

>>> I discover that aborting a script with ctrl-c tends to kill IDL:

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>> What version of IDL and version of Solaris?

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> Sun Microsystems Inc. SunOS 5.8 Generic February 2000

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>

> but v6.0 has the same behaviour.

>

>> Can you provide a simple example?

>

> n fact, simply typing ctrl-c at the command prompt when nothing else
> is happening is enough.

>

> wmc>

> 57 wmc@bsucena>

```
> % Interrupt encountered.
>
> wmc>
> 57 wmc@bsucena>
>
> This doesn't generate any odd err messages, just gets me out of idl.
> Worse, it doesn't kill the idl process - that goes mad somewhere and
> eats the cpu. But fg doesn't work.
>
> -W.
```

I have a SunBlade 1000 and ^C does not dump me out of idl

```
IDL> $cat /etc/motd
Sun Microsystems Inc.  SunOS 5.8      Generic February 2000
```

```
IDL> print,!version
{ sparc sunos unix Solaris 6.0 Jun 27 2003      64      64}
IDL>; hit ^C here
% Interrupt encountered.
IDL>
```

In other words, it works as I would expect it to work. So, it is not a universal problem on SunBlades.

Dick French

Subject: Re: ctrl-c aborts IDL on sun?
Posted by [Stein Vidar Hagfors H\[2\]](#) on Fri, 12 Mar 2004 14:00:05 GMT
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"Richard G. French" <rfrench@wellesley.edu> writes:

```
> On 3/5/04 4:30 AM, in article 404848c1@news.nwl.ac.uk, "wmc@bas.ac.uk"
> <wmc@bas.ac.uk> wrote:
>
>> Rick Towler <rtowler@u.washington.edu> wrote:
>>> wrote in message ...
>>
>>>> I'm used to using IDL on an alpha but recently forced to use a sun.
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>>> I am so sorry... My thoughts are with you in this difficult time.
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```

```

>>
>>> What version of IDL and version of Solaris?
>>
>> Sun Microsystems Inc.  SunOS 5.8      Generic February 2000
>>
>> { sparc sunos unix 5.4 Sep 25 2000    32    64}
>>
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>>> Can you provide a simple example?
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>> n fact, simply typing ctrl-c at the command prompt when nothing else
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>> wmc>
>> 57 wmc@bsucena>
>> % Interrupt encountered.
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>> This doesn't generate any odd err messages, just gets me out of idl.
>> Worse, it doesn't kill the idl process - that goes mad somewhere and
>> eats the cpu. But fg doesn't work.
>>
>> -W.
>
> I have a SunBlade 1000 and ^C does not dump me out of idl

```

And I have a SunBlade 1500, not having any problem. I do remember having a similar problem (although without the IDL session running amok & eating CPU), and that problem was fixed by something related to the "onintr" command.... see "man onintr", and also try IDL under a different shell.

--

Stein Vidar Hagfors Haugan
ESA SOHO SOC/European Space Agency Science Operations Coordinator for SOHO

NASA Goddard Space Flight Center, Tel.: 1-301-286-9028
Mail Code 682.3, Bld. 26, Room G-1, Cell: 1-240-354-6066
Greenbelt, Maryland 20771, USA. Fax: 1-301-286-0264

Subject: Re: ctrl-c aborts IDL on sun?

Posted by [wmconnolley](#) on Fri, 12 Mar 2004 15:04:59 GMT

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Stein Vidar Hagfors Haugan <steinhh@astro.uio.no> wrote:

> And I have a SunBlade 1500, not having any problem. I do remember
> having a similar problem (although without the IDL session running
> amok & eating CPU), and that problem was fixed by something related
> to the "onintr" command.... see "man onintr", and also try IDL under
> a different shell.

I did try another shell... somewhere on this thread. With bash its fine.

But thanks for your onintr - that fixes the problem too, and more cleanly.

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.antarctica.ac.uk/met/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
I'm a .signature virus! copy me into your .signature file & help me spread!
