Subject: ctrl-c aborts IDL on sun? Posted by wmconnolley 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 I'm a .signature virus! copy me into your .signature file & help me spread!

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 32and 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 wmconnolley 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 I'm a .signature virus! copy me into your .signature file & help me spread!

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 wmconnolley 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.

--

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!

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 I'm a .signature virus! copy me into your .signature file & help me spread!

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 wmconnolley 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 I'm a .signature virus! copy me into your .signature file & help me spread!

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:
>> 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.

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.
- >>> 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.
> 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!