Subject: Re: 0.0/0.0 --> Segmentation Fault Posted by Robert Moss on Thu, 27 Feb 1997 08:00:00 GMT

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```
Alex Schuster wrote:
```

```
> A made a slight modification to a program, and it crashed
  with a Segmentation Fault. Yikes! After a while I found the cause:
> --> idl
> IDL. Version 4.0.1 (sunos sparc).
> Copyright 1989-1995, Research Systems, Inc.
> All rights reserved. Unauthorized reproduction prohibited.
> Installation number: 3136-0.
> Licensed for use by: MPI Koeln
>
> IDL> helps, !version
> ** Structure !VERSION, 4 tags, length=32:
    ARCH
                 STRING
                           'sparc'
    OS
               STRING
                          'sunos'
    OS FAMILY
                    STRING
>
                               'unix'
    RELEASE
                   STRING
                              '4.0.1'
> IDL> print, 0.0 / 0.0
> % Program caused arithmetic error: Floating illegal operand
> % Detected at $MAIN$
> Segmentation Fault
             -->
>
  This seems to happen with Solaris 2.5 only, not with 2.4.
>
       Alex
This problem doews not occur with !VERSION.RELEASE = '4.0.1c'
running Solaris 2.5.1
idl>help,/str,!version
** Structure !VERSION, 4 tags, length=32:
 ARCH
               STRING 'sparc'
 OS
             STRING
                       'sunos'
 OS FAMILY
                 STRING
                           'unix'
 RELEASE
                 STRING '4.0.1c'
idl>print,0.0/0.0
     NaN
% Program caused arithmetic error: Floating illegal operand
idl>
```

I suggest downloading the latest version of IDL as a start... Robert M. Moss, Ph.D. - mossrm@texaco.com - FAX (713)954-6911 This does not necessarily reflect the opinions of Texaco Inc.

Subject: Re: 0.0/0.0 --> Segmentation Fault Posted by wonko on Sun, 02 Mar 1997 08:00:00 GMT View Forum Message <> Reply to Message

mossrm@texaco.com (Robert Moss) wrote:

- > Alex Schuster wrote:
- [...]
- >> IDL> print, 0.0 / 0.0
- >> % Program caused arithmetic error: Floating illegal operand
- >> % Detected at \$MAIN\$
- >> Segmentation Fault -->
- >>

- >> This seems to happen with Solaris 2.5 only, not with 2.4.
- > This problem doews not occur with !VERSION.RELEASE = '4.0.1c'
- > running Solaris 2.5.1

[...]

> I suggest downloading the latest version of IDL as a start...

Yeah, thanks, I got it! This problem is known (I was told it happens on Sparc Ultras only) and the update to 4.0.1c fixes it.

Alex

Alex Schuster Wonko@weird.cologne.de alex@pet.mpin-koeln.mpg.de

Subject: Re: 0.0/0.0 --> Segmentation Fault Posted by Keith Refson on Mon, 03 Mar 1997 08:00:00 GMT View Forum Message <> Reply to Message

Alex Schuster <alex@rosa.mpin-koeln.mpg.de> writes:

> IDL> print, 0.0 / 0.0

- > % Program caused arithmetic error: Floating illegal operand
- > % Detected at \$MAIN\$

-->

> Segmentation Fault

> This seems to happen with Solaris 2.5 only, not with 2.4.

And you are running on a Sparc Ultra, right? Since FPS (our IDL reseller) don't really seem to be aware that this is a known problem and that there is a patch for it, I'll chip in with the answer. 4.0.1c fixes it.

It took me more than a week of phone calls to FPS and to Sun to find this out, only to find out

- a) That IDL is officially not supported on any version of Solaris after 2.3. (!)
- b) They have a fix in the form of 4.0.1c anyway.

It seems a rather inconsistent position to take, but who am I, a mere user to complain?

Keith Refson

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