
Subject: Re: segmentation fault
Posted by [R.Bauer](#) on Sun, 12 Dec 1999 08:00:00 GMT
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gross@chuma.cas.usf.edu wrote:

> Hello:
>
> I'm looking for some expert help....well...any kind of help !
>
> I am running a procedure that I have written in IDL using the solaris
> x86 operating system...I continually make modifications to my method
> of analysis, so I frequently break out of the program to "RETALL" and
> begin again....
>
> Unfortunately, after typing "RETALL", I now get the following message
> from IDL..
> temporary variables are still checked out-cleaning up...
>
> and then the OS gives a segmentation fault.

We also have such a problem.

Since idl5.2 using `ncdf_open` and `ncdf_close` the same failure occurs with all of our IBM aix systems.

If I use `ncdf_open` / `ncdf_close` and a device or window command I got the segmentation fault core dump error.

Not always at the same "ii" but it never reaches 2000.

PRO `ncdf_error`

; one of the following three commands gives a segmentation fault

```
widget_control,default_font='-adobe-helvetica-medium-r-norma l--12-*-*-*--60-*-*'
```

```
device,decomposed=0
```

```
window,0,xsize=100,ysize=100,color=256
```

```
FOR ii=0,2000 DO BEGIN
```

```
  PRINT,ii
```

```
  file_name = 'ncdf_error.nc'
```

```
  cdfid = NCDF_OPEN(file_name,/NOWRITE) ; OPEN the file
```

```
  NCDF_CLOSE,cdfid
```

```
ENDFOR
```

```
END
```

WinNT or Linux did not have this problem!

This failure is known since summer of this year by RSI, but it isn't resolved. It has a high priority I was told.

Somone of us tries using the netCDF 3.4 library instead of the build in 2.4 by call_external.

The same result - segmentation fault.

I don't know myself if it's a problem by the IBM C-Compiler or how IDL embedds external linked programs for aix.

R.Bauer
