
Subject: Re: problem with program code area full in VMS IDL 4.0.1

Posted by [davidf](#) on Tue, 22 Jul 1997 07:00:00 GMT

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Martha Kusterer writes:

> Can anyone help me?

>

> I am running in IDL 4.0.1 on VMS and I am now getting program code area

> full error. I split the subroutine up into little moduals but it still

> gets the error. The whole program is a GUI to display satellite data and

> is quite complicated. From the IDL user documentation I don't get enough

> information to allow me to figure out what else to do. Does anyone have

> any ideas on this topic.

>

> I also tried the .SIZE command to enlarge the program data area and it

> doesn't seem to work. I realize that in IDL 5.0 this will no longer be a

> problem but we are limlited by our operating systme and I don't know

> when we will be able to update to it.

If you split the subroutine up into little moduals and it still doesn't compile, then my guess is that something else is wrong.

Here is what I have seen happen from time to time, especially with widget programs. And particularly in IDL 5, where it is difficult to tell if there is a problem in a widget module.

There is a coding error in one of the modules. When you compile the code, most of the modules compile, but this one particular one does not. Yet when you run the code, the program appears to work. You can't figure out what is wrong and you start to get nonsensical errors ("program data area full"!?).

Try this. Exit IDL. Come back in. Compile all of the modules by using the .Compile command. Does every module compile? Are you sure? Run the program. Does it work now?

I think that one of the (now!) many modules is not compiling properly. Yet you have a (somewhat) working version of that module in IDL's compiled memory space, so the program appears to work. Each time you run the program, you are trying to create variables in the context of the broken module instead of in the context of the main IDL level.

Anyway, I think I can guarantee that if this isn't the problem, it's probably something else. :-)

Cheers,

David

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