
Subject: Re: how to find name of top level program
Posted by [David Fanning](#) on Fri, 11 Jan 2008 20:46:25 GMT
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Enemy of the State writes:

- > I suspect this is an overly simple question but I'm stumped.....
- >
- > What I would like to do is to find out the name of the top level IDL
- > procedure so that I can put it via xyouts on the plots it produces:

I use ProgramRootDir:

<http://www.dfanning.com/programs/programrootdir.pro>

This program is EXTREMELY useful to me in locating files in various subdirectories of the main "project" directory when I am writing code that I am distributing to others.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: how to find name of top level program
Posted by [Vince Hradil](#) on Fri, 11 Jan 2008 20:56:08 GMT
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On Jan 11, 2:04 pm, Enemy of the State <mfquig...@wisc.edu> wrote:

- > Greetings IDL comrades!
- >
- > I suspect this is an overly simple question but I'm stumped.....
- >
- > What I would like to do is to find out the name of the top level IDL
- > procedure so that I can put it via xyouts on the plots it produces:
- >
- > pro junk,xxx
- >
- > ... various other routines and functions called to do one thing or
- > another ...
- >
- > plot, some_vector

```
>
> .... something magical happens here so that I have a variable (eg,
> program_name)
>     that tells me the name of the program that produced this plot
> is "junk"
>
> sub_xyouts,.1,.1,' name of program that produced this plot is
> '+program_name,/normal
>
> return
> end
>
> It seems like the help command would do this somehow, but darn if I
> can figure out how it might be done.
>
> Thanks!
>
> Mark
```

Here's what I do:

```
help, /recall_commands, output=cmds
cmdline = strmid(cmds[1],2)
```

Subject: Re: how to find name of top level program
Posted by [Douglas G. Dirks](#) on Mon, 14 Jan 2008 18:34:18 GMT
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Vince Hradil wrote:

```
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>> Thanks!
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>> Mark
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> Here's what I do:
> help, /recall_commands, output=cmds
> cmdline = strmid(cmds[1],2)
```

Or, if you have IDL 6.2 or later, the same basic idea in a single line:

```
topRoutine=(SCOPE_TRACEBACK(/STRUCTURE))[1].Routine
```

(It's element 1 of the array returned by SCOPE_TRACEBACK because IDL considers \$MAIN\$ to be the top of the call stack.)

Doug

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