
Subject: Re: Possible to get name of current procedure from within procedure?

Posted by [penteado](#) on Tue, 11 May 2010 13:53:51 GMT

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On May 11, 10:42 am, Rob <robparke...@gmail.com> wrote:

- > I'm not sure if this question even makes sense but what I was
- > wondering is does IDL have any sort of function or variable that can
- > output the name of the procedure/function that is currently being
- > executed?

scope_traceback() gives you the entire call stack.

- >
- > What I'd like to do is write a generic bit of code that spawns the
- > system time and outputs this to a file, ALONG with the name of the
- > procedure where the spawn command was executed.

systemtime() is probably better than spawning a process just to get the time.

- >
- > Ultimately this would be something we'd add to all of our modular
- > procedures in order to monitor performance and see how fast each
- > module was running.

This sounds a lot like what the profiler does.

Subject: Re: Possible to get name of current procedure from within procedure?

Posted by [robarker23](#) on Tue, 11 May 2010 18:40:09 GMT

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On 11 May, 14:53, pp <pp.pente...@gmail.com> wrote:

- > On May 11, 10:42 am, Rob <robparke...@gmail.com> wrote:
- >
- >> I'm not sure if this question even makes sense but what I was
- >> wondering is does IDL have any sort of function or variable that can
- >> output the name of the procedure/function that is currently being
- >> executed?
- >
- > scope_traceback() gives you the entire call stack.

Thanks. I found an old reference on here to help, calls=stacks which (although deprecated) does what I want to do.

- >> Ultimately this would be something we'd add to all of our modular
- >> procedures in order to monitor performance and see how fast each
- >> module was running.

>
> This sounds a lot like what the profiler does.

I'm a bit embarrassed to admit that I'd never heard of the profiler tool before. I've just read up on it on David's site and will certainly give it a test out. Thanks :-)

Subject: Re: Possible to get name of current procedure from within procedure?
Posted by [robparker23](#) on Wed, 12 May 2010 09:34:07 GMT
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> I'm a bit embarrassed to admit that I'd never heard of the profiler
> tool before. I've just read up on it on David's site and will
> certainly give it a test out. Thanks :-)

Having run the profiler on our code it seems that we're severely over-using the `undefine.pro` procedure written by David.

Sorted by time we get:

Module	Type	Count	Only(s)	Avg.(s)	Time(s)	Avg.(s)
UNDEFINE	(U)	3026194	14224.68799	0.0047	142470.4584	0.014034

(Which strangely seems to be longer than we actually ran the total code for)
