
Subject: How to obtain the name of the current routine?

Posted by [enod](#) on Mon, 11 Jul 2016 08:27:13 GMT

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Dear all,

I'd like to write the routine name to the output file as header information. Is there a way to get the name of the running routine automatically when it is executed? For example,

pro test1

```
name_of_routine = get_the_current_routine_name()
; the above function will make
; name_of_routine = 'test1'
```

end

Thanks a lot!

Cheers,
Yunfeng Tian

Subject: Re: How to obtain the name of the current routine?

Posted by [markb77](#) on Mon, 11 Jul 2016 08:32:59 GMT

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On Monday, July 11, 2016 at 10:27:15 AM UTC+2, Yunfeng Tian wrote:

> Dear all,

>

> I'd like to write the routine name to the output file as header information. Is there a way to get the name of the running routine automatically when it is executed? For example,

>

> pro test1

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> name_of_routine = get_the_current_routine_name()

> ; the above function will make

> ; name_of_routine = 'test1'

>

> end

>

>

> Thanks a lot!

>

> Cheers,

> Yunfeng Tian

check out "cgwhoami" from the Coyote IDL library

<http://github.com/davidwfanning/idl-coyote>

Mark

Subject: Re: How to obtain the name of the current routine?

Posted by [enod](#) on Mon, 11 Jul 2016 08:57:42 GMT

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On Monday, July 11, 2016 at 4:33:04 PM UTC+8, superchromix wrote:

> On Monday, July 11, 2016 at 10:27:15 AM UTC+2, Yunfeng Tian wrote:

>> Dear all,

>>

>> I'd like to write the routine name to the output file as header information. Is there a way to get the name of the running routine automatically when it is executed? For example,

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>> pro test1

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>> name_of_routine = get_the_current_routine_name()

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>>

>>

>> Thanks a lot!

>>

>> Cheers,

>> Yunfeng Tian

>

> check out "cgwhoami" from the Coyote IDL library

>

> <http://github.com/davidwfanning/idl-coyote>

>

> Mark

Great!

Thanks!

Best,

Tian

Subject: Re: How to obtain the name of the current routine?

Posted by [Markus Schmassmann](#) on Mon, 11 Jul 2016 09:49:37 GMT

On 07/11/2016 10:57 AM, Yunfeng Tian wrote:

```
> On Monday, July 11, 2016 at 4:33:04 PM UTC+8, superchromix wrote:
>> On Monday, July 11, 2016 at 10:27:15 AM UTC+2, Yunfeng Tian wrote:
>>> I'd like to write the routine name to the output file as header
>>> information. Is there a way to get the name of the running
>>> routine automatically when it is executed? For example,
>>>
>>> pro test1
>>>
>>>     name_of_routine = get_the_current_routine_name()
>>>     ; the above function will make
>>>     ;   name_of_routine = 'test1'
>>>
>>> end
>> check out "cgwhoami" from the Coyote IDL library
>>
>> http://github.com/davidwfanning/idl-coyote
if you haven't loaded coyote library, this will do too:
> help, /traceback, out=out
> name_of_routine=(out[0].split(' '))[2]
if you want to encapsulate it into a function, you'd have to use out[1]
```

Subject: Re: How to obtain the name of the current routine?

Posted by [zacharyanorman](#) on Fri, 15 Jul 2016 03:59:49 GMT

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The easiest way would be to use the `scope_traceback` function like this:

```
pro test
  scope = scope_traceback(/structure)

  print, scope, /implied_print
end
```

The last element of the `scope` variable will contain information regarding the routine you are in. I use `scope_traceback` to determine the location of my functions or procedures that are being executed. Here is a link to the docs:

http://www.harrisgeospatial.com/docs/SCOPE_TRACEBACK.html
