
Subject: Re: Save IDL Procedure Name

Posted by [David Fanning](#) on Thu, 29 Aug 2002 15:11:26 GMT

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wen (wku@qeallc.com) writes:

> Does anyone know if there is a way to save an IDL procedure name as a
> variable? I would like to be able to use this name within my
> procedure.

Humm, this may be a trick question. Let me try to
answer the question I think you are trying to ask.

Are you trying to do something like this:

```
PRO DrawIt, procedure, data, _Extra=extra
  On_Error, 1
  IF N_PARAMS() NE 2 THEN Message, 'Need two parameters.'
  IF Size(procedure, /TName) NE 'STRING' THEN $
    Message, 'First parameter must be a string.'
```

```
ok = Execute(procedure+ ', data, _Extra=extra')
IF NOT ok THEN Message, 'Procedure execution failed.'
END
```

Then,

```
IDL> DrawIt, 'Surface', dist(30)
IDL> DrawIt, 'Contour', dist(30), NLevels=12, /Follow
IDL> DrawIt, 'Plot', Findgen(11)
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Save IDL Procedure Name

Posted by [R.Bauer](#) on Thu, 29 Aug 2002 16:15:01 GMT

wen wrote:

```
> Hi,  
>  
> Does anyone know if there is a way to save an IDL procedure name as a  
> variable? I would like to be able to use this name within my  
> procedure.  
>  
> thanks,  
> wen
```

Yes,

did you tried

help,call=call

in your routine

PRO test

```
HELP,call=call  
PRINT,call
```

```
file=within_brackets(call[0],brackets=['<','()']  
PRINT,file
```

```
fpe=file_path_name_ext(file)  
PRINT,fpe.name
```

END

The result is for example

```
TEST </private/20020829/test.pro( 3)> $MAIN$
```

Now you can separate this by within_brackets
result is /private/20020829/test.pro

The separation of path, routine and extension is done by file_path_name_ext.

PRINT,fpe.name shows "test"

You need the following routines from our library:

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl

_html/dbase/download/within_brackets.tar.gz
or
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/within_brackets.sav

and

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/file_path_name_ext.tar.gz
or
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/file_path_name_ext.sav

(Remember a idl compiled file with the extension sav is automatically loaded the first time it is used.

This is the same behaviour as for idl sources (.pro).

They run on each idl platform with the same idl version (5.5))

For further routines and licensing please have a look at
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Reimar

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Reimar Bauer

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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