Subject: Re: IDL procedure "knowing its own name"
Posted by R.Bauer on Wed, 29 Aug 2001 10:20:40 GMT
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Marshall Perrin wrote:

>
> Let's say I'm running somethingorother.pro. Is there any way for the procedure
> to itself determine that IDL is running a file called somethingorother.pro,
> indeed, specifically /some/file/path/somethingorother.pro?
>
> In more detail, what I've got is a script which processes a bunch of data
> and produces some output which gets stored in a user-specified directory.
> This script gets modified occasionally over time; it's useful to have a
> copy of the script stored along with the data as a historical record so
> that you can later look back and see exactly how the data was processed.
> However, this tool is used on a number of different systems, and the
> file path to the script varies from system to system. Right now I accomplish
> this by hard-coding the path and name of the procedure as variables inside
> the procedure, which means I have to change it by hand for each system.
> Any ideas on how to automate this?
>
>   - Marshall

Dear Marshall

write

help,call=call
print,call

into your routine

regards

Reimar
--
Reimar Bauer

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http://www.fz-juelich.de/icg/icg1/
 === ======
a IDL library at ForschungsZentrum Juelich
 http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml

http://www.fz-juelich.de/zb/text/publikation/juel3786.html
 === ======

read something about linux / windows
http://www.suse.de/de/news/hotnews/MS.html

Subject: Re: IDL procedure "knowing its own name"
Posted by David Fanning on Wed, 29 Aug 2001 12:58:36 GMT

Marshall Perrin (mperrin+news@arkham.berkeley.edu) writes:

> Let's say I'm running somethingorother.pro. Is there any way for the procedure
> to itself determine that IDL is running a file called somethingorother.pro,
> indeed, specifically /some/file/path/somethingorother.pro?

You can use Help, /Source to find the
specific path of compiled procedures and
functions.

> In more detail, what I've got is a script which processes a bunch of data
> and produces some output which gets stored in a user-specified directory.
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> the procedure, which means I have to change it by hand for each system.
> Any ideas on how to automate this?

I think you could use this:

    Help, /Source, Output=helpoutput

to get the source output in a string array. Then it should
be fairly easy to fish the proper line out of the helpoutput
string array to indicate where the file came from

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: IDL procedure "knowing its own name"
Posted by Liam E. Gumley on Wed, 29 Aug 2001 14:36:16 GMT

Marshall Perrin wrote:
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> to itself determine that IDL is running a file called somethingorother.pro,
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> this by hard-coding the path and name of the procedure as variables inside
> the procedure, which means I have to change it by hand for each system.
> Any ideas on how to automate this?

It sounds like a version control problem. I concur with other members of
this group that CVS works very well for version control of IDL source
code. If you use CVS or any other tool that supports RCS tags, you can
simply embed an RCS tag (such as Id) in an IDL string variable:

rcs_id = '$Id: imdisp.pro,v 1.45 2000/08/28 16:17:14 gumley Exp $'

The procedure or function can then print or save the string variable to
a file when it is called, and CVS takes care of inserting the version
number, date, and owner of the last modification.

For more CVS information, see

http://cimss.ssec.wisc.edu/~gumley/

under the heading 'CVS'.

Cheers,
Liam.
Practical IDL Programming
http://www.gumley.com/

Subject: Re: IDL procedure "knowing its own name"
Posted by mperrin+news on Wed, 29 Aug 2001 20:17:55 GMT

Reimar Bauer <r.bauer@fz-juelich.de> wrote:

> write
>
> help,call=call
> print,call
>
> into your routine

This is what I wanted exactly - many thanks!

 - Marshall

Subject: Re: IDL procedure "knowing its own name"
Posted by Martin Schultz on Fri, 31 Aug 2001 07:44:51 GMT
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mperrin+news@arkham.berkeley.edu (Marshall Perrin) writes:

> Let's say I'm running somethingorother.pro. Is there any way for the procedure
> to itself determine that IDL is running a file called somethingorother.pro,
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> this by hard-coding the path and name of the procedure as variables inside
> the procedure, which means I have to change it by hand for each system.
> Any ideas on how to automate this?
>
> - Marshall

You can use my routine_name() procedure (available at
 http://www.mpimet.mpg.de/~schultz.martin/idl/html/libmartin_ schultz.html#Routines_R
)

It is based on what the others suggested, but wraps it into an easy-to-use
procedure interface.

Cheers,

Martin

--

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[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[ [[[[[[[
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