
Subject: Re: eval
Posted by [Dominic Metzger](#) on Thu, 05 Oct 2006 05:36:40 GMT
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Thank you for all your help.

_EXTRA definitely seems the way to go! :-)

I tried:

```
PRO LOG_OPENU, UNIT, FILE, _REF_EXTRA = ex
    PRINT, 'OPENU'
    OPENU, UNIT, FILE, _EXTRA=ex
END
```

and it seems to work. I guess I will try the strict version of _EXTRA next.

Wayne Landsman: This might work in some cases but definitely not for all.

Example wrapping spawn:

from the specs of spawn:

"If UNIT is present, Command must be present, and neither Result or ErrResult are allowed."

http://idlastro.gsfc.nasa.gov/idl_html_help/SPAWN.html

In this case, one would have to check if UNIT was present or not... thereby, a case statement is needed. Now, there a quite of few cases like this. Therefore, the better approach seems to be the use of _EXTRA.

best regards,

dometz

Wayne Landsman wrote:

```
> "Dometz" <dometz@gmail.com> wrote in message
> news:1159989739.132283.84940@i3g2000cwc.googlegroups.com...
>>
>> So for example for OPENU, I want to create a wrapper function that will
>> do some logging and the call the original OPENU:
>>
>> example:
>> PRO LOG_OPENU, UNIT, FILE, APPEND=APPEND, COMPRESS=COMPRESS,
>> BUFSIZE=BUFSIZE, DELETE=DELETE, ERROR=ERROR,
```

```
>> F77_UNFORMATTED=F77_UNFORMATTED, GET_LUN=GET_LUN, MORE=MORE,
>> NOEXPAND_PATH=NOEXPAND_PATH, STDIO=STDIO, SWAP_ENDIAN=SWAP_ENDIAN,
$
>>     SWAP_IF_BIG_ENDIAN=SWAP_IF_BIG_ENDIAN,
>> SWAP_IF_LITTLE_ENDIAN=SWAP_IF_LITTLE_ENDIAN, VAX_FLOAT=VAX_FLOAT,
>> WIDTH=WIDTH, XDR=XDR, RAWIO=RAWIO
>>   print, FILE
>>   print, SWAP_IF_BIG_ENDIAN
>>   ;print etc...
>>   ;Now here would like to call the original method but I have to call
>> it only with the named arguments that are set
>>   OPENU, ...?
>>
>> So, either I could have a LOOOONG list of if or case statements or I
>> maybe I could use _EXTRA?
>
> _EXTRA is the way to go, but as a side note, you wouldn't have needed a long
> list of case statements but just a single call to OPENU with all the
> keywords present.  OPENU will consider the keywords set only if they are
> present *and* have a non-zero value.  So if they weren't defined in the
> call to the wrapper procedure, they won't be considered set by
> ENU.  --Wayne
```
