
Subject: Re: How to Acces heap object.

Posted by [Craig Markwardt](#) on Mon, 26 May 2003 15:39:57 GMT

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user@domain.invalid writes:

```
>
> I create this procedure
>
> PRO open_lang,path,fitxer_catalog
>   oMsgCat=MSG_CAT_OPEN(",FILENAME=path+fitxer_catalog)
> END
>
> and I call with the next command
>
... snip ...
>
> <ObjHeapVar19> STRUCT   =-> IDLFFLANGUAGECAT Array[1]
>
> How can I acces to this object heap variable?.
```

Your problem is not to access a heap variable, but rather to return the value from OPEN_LANG. You can do that by turning it into a function:

```
FUNCTION open_lang,path,fitxer_catalog
  oMsgCat=MSG_CAT_OPEN(",FILENAME=path+fitxer_catalog)
  return, oMsgCat
END
```

And then calling it:

```
mycat = open_lang('/lang/', 'msg.cat')
```

Good luck,
Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: How to Acces heap object.

Posted by [user](#) on Tue, 27 May 2003 06:11:38 GMT

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Ok, my procedure is only an example, I know I can return the value with a function. But I want to access the variable oMsgCat object as a global variable.

Any Ideas?

--

Miguel Angel Cordoba

Craig Markwardt wrote:

> user@domain.invalid writes:

>

>

>> I create this procedure

>>

>> PRO open_lang,path,fitxer_catalog

>> oMsgCat=MSG_CAT_OPEN(",FILENAME=path+fitxer_catalog)

>> END

>>

>> and I call with the next command

>>

>>

>>

> ... snip ...

>

>

>> <ObjHeapVar19> STRUCT = -> IDLFFLANGUAGECAT Array[1]

>>

>> How can I access to this object heap variable?.

>>

>>

>

> Your problem is not to access a heap variable, but rather to return
> the value from OPEN_LANG. You can do that by turning it into a
> function:

>

> FUNCTION open_lang,path,fitxer_catalog

> oMsgCat=MSG_CAT_OPEN(",FILENAME=path+fitxer_catalog)

> return, oMsgCat

> END

>

> And then calling it:

> mycat = open_lang('/lang/', 'msg.cat')

>

>

> Good luck,

> Craig

>
>
>
>

--

Miguel Angel Cordoba <mailto:cordoba@grahi.upc.es>
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 <http://campus.uab.es/~2034008>

Grup de Recerca Aplicada en Hidrometeorologia (GRAHi-UPC)
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Subject: Re: How to Acces heap object.
Posted by [David Fanning](#) on Tue, 27 May 2003 12:04:35 GMT
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Miguel writes:

> Ok, my procedure is only an example, I know I can return the
> value with a function. But I want to acces to the variable oMsgCat object
> as a global variable.
>
> Any Ideas?

If you want it to be global, you have two choices.
Make it a system variable (DEFSYSV), or put it in
a common block.

Cheers,

David

--

David W. Fanning, Ph.D.
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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: How to Acces heap object.
Posted by [Mark Hadfield](#) on Tue, 27 May 2003 19:43:01 GMT
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"David Fanning" <david@dfanning.com> wrote in message
news:MPG.193d023fdad41056989bb1@news.frii.com...

> Miguel writes:

>

>> Ok, my procedure is only an example, I know I can return the
>> value with a function. But I want to acces to the variable oMsgCat object
>> as a global variable.

>

> If you want it to be global, you have two choices.
> Make it a system variable (DEFSYSV), or put it in
> a common block.

If you've lost a reference to an heap variable you can retrieve it with the
OBJ_VALID and PTR_VALID functions. When called with no arguments, they
return a list of all valid object/pointer heap variables. They both also
support a CAST keyword, which you can use to track down objects/pointers
given the ouput of the HELP command.

Another possibiility: if you have a GUI object, build a facility into the
code that will tell you its object reference.

But perhaps you should tell us more about what you are **really** trying to
do.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)
