
Subject: Re: accessing structures

Posted by [brian.jackel](#) on Sun, 30 Jun 1996 07:00:00 GMT

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In article <4r48vn\$jpu@lace.colorado.edu> kachun@bogart.Colorado.EDU (Ka Chun Yu) writes:

> Does anyone know how to access parts of structures in IDL? Looking
> up the version of IDL, I can type:
> IDL> print,!version
> { sparc sunos 3.6.1}

> I can't directly access the individual components, since a help will
> give:
> IDL> help,!version
> <Expression> STRUCT = -> !VERSION Array(1)

For this, try HELP,/STRUCT,!version

which gives something like:

** Structure !VERSION, 4 tags, length=32:

```
ARCH      STRING  'x86'  
OS        STRING  'Win32'  
OS_FAMILY STRING  'Windows'  
RELEASE   STRING  '4.0.1'
```

Also handy are the routines:

N_TAGS(!version) which returns the number of tags in the structure

TAG_NAMES(!version) which gives an array of strings containing the tag names

Finally, tags can also be referenced by:

!version.(0) which is the same as !version.arch
!version.(1) !version.os
etc.

Hope this helps.

Brian Jackel
University of Western Ontario

Subject: Re: accessing structures

Posted by [pit](#) on Sun, 30 Jun 1996 07:00:00 GMT

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In article <4r48vn\$jpu@lace.colorado.edu>,

kachun@bogart.Colorado.EDU (Ka Chun Yu) writes:

> My question is then how would I pull out what I need to know from
> !version if I didn't know the names for the individual components

> (i.e., "!version.arch", "!version.os")? Is there a command that
> can pull out what I need, like this example below?
>
> IDL> print,MYSTERY_COMMAND(!version,0)
> sparc

IDL> print,tag_names(!version)
ARCH OS OS_FAMILY RELEASE

Peter

~~~~~  
~~~~~  
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-- * -- * ...-- * -- * ...-- * -- * ...-- * -- * ...-- * --
Come and see the stars! <http://www.kis.uni-freiburg.de/~ps/SFB>
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Subject: Re: accessing structures
Posted by [offenbrg](#) on Mon, 01 Jul 1996 07:00:00 GMT
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kachun@bogart.Colorado.EDU (Ka Chun Yu) writes:

> My question is then how would I pull out what I need to know from
> !version if I didn't know the names for the individual components
> (i.e., "!version.arch", "!version.os")? Is there a command that
> can pull out what I need, like this example below?

> IDL> print,MYSTERY_COMMAND(!version,0)
> sparc

IDL> help,/STRUCTURE, !version
** Structure !VERSION, 4 tags, length=32:
ARCH STRING 'sparc'
OS STRING 'sunos'
OS_FAMILY STRING 'unix'
RELEASE STRING '4.0.1'

-Joel

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"...And I am unanimous in this" - Mrs. Slocumbe
