
Subject: Re: Referencing structure inline

Posted by [Helder Marchetto](#) on Tue, 09 Dec 2014 10:56:55 GMT

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On Tuesday, December 9, 2014 11:55:02 AM UTC+1, Helder wrote:

> On Tuesday, December 9, 2014 9:42:57 AM UTC+1, Heinz Stege wrote:

>> Seems to be a bug in your IDL version. The following works in IDL 8.0:

>>

>> IDL> help,file_info(!dir)

>> ** Structure FILE_INFO, 21 tags, length=64, data length=63:

>> NAME STRING 'C:\idl\idl80'

>> EXISTS BYTE 1

>> READ BYTE 1

>> WRITE BYTE 1

>> EXECUTE BYTE 1

>> REGULAR BYTE 0

>> DIRECTORY BYTE 1

>> BLOCK_SPECIAL BYTE 0

>> CHARACTER_SPECIAL

>> BYTE 0

>> NAMED_PIPE BYTE 0

>> SETUID BYTE 0

>> SETGID BYTE 0

>> SOCKET BYTE 0

>> STICKY_BIT BYTE 0

>> SYMLINK BYTE 0

>> DANGLING_SYMLINK

>> BYTE 0

>> MODE LONG 511

>> ATIME LONG64 1418112222

>> CTIME LONG64 1299161262

>> MTIME LONG64 1349551389

>> SIZE LONG64 0

>> IDL> print,(file_info(!dir)).name

>> C:\idl\idl80

>> IDL> print,(file_info(!dir)).ctime

>> 1299161262

>> IDL> print,!version

>> { x86 Win32 Windows Microsoft Windows 8.0.1 Oct 5 2010 32

>> 64}

>

>

> Hi,

> If this is a bug then it's still out there. Implied print seems to be the problem:

>

> IDL> ({x:1,y:2}).x

> % Object reference type required in this context: <STRUCT Array[1]>.

> % Execution halted at: \$MAIN\$

```
> IDL> print, ({x:1,y:2}).x
>      1
> IDL> !version
> {
>   "ARCH": "x86_64",
>   "OS": "Win32",
>   "OS_FAMILY": "Windows",
>   "OS_NAME": "MicrosoftWindows",
>   "RELEASE": "8.4",
>   "BUILD_DATE": "Sep272014",
>   "MEMORY_BITS": 64,
>   "FILE_OFFSET_BITS": 64
> }
>
> In other words, such indexing does not work with implied print.
>
> I also tried this with a function:
>
> function testPrintFunction
> return, {x:1,y:2}
> end
>
> IDL> (testPrintFunction()).x
> % Object reference type required in this context: <STRUCT   Array[1]>.
> % Execution halted at: $MAIN$
> IDL> print, (testPrintFunction()).x
>      1
>
> Cheers,
> Helder
```

Here is a link with some explanation. I'm sure it falls under the same problem pointed out by Chris T.

<https://groups.google.com/d/msg/comp.lang.idl-pvwave/rbleuyI6GfA/vli09AwC0rEJ>

Cheers,
Helder
