
Subject: Re: Referencing structure inline
Posted by [Helder Marchetto](#) on Tue, 09 Dec 2014 10:55:01 GMT
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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
