
Subject: Re: indexing a structure in a list

Posted by [Michael Galloy](#) on Wed, 05 Feb 2014 18:05:02 GMT

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On 2/5/14, 10:52 AM, Craig Markwardt wrote:

> On Wednesday, February 5, 2014 11:36:09 AM UTC-5, Helder wrote:

>> Hi,

>>

>> I've got the feeling this should work, but for some reason it isn't.

>>

>> So here is some code to test the problem with the errors describe in it:

>>

>>

>>

>> PRO testStrutRef

>> Compile_Opt idl2

>> a = list(findgen(10), /extract)

>> a[4] = {value:3.0}

>> help, a[4], /struct

>> ;a[4].value = 4.0 ;won't work: % Attempt to store into an expression: >

>> ;(a[4]).value = 4.0 ;won't work: % Attempt to store into an expression: Structure reference.

>> ;((a)[4]).value = 4.0 ;won't work: % Attempt to store into an expression: Structure reference.

>> struct = a[4]

>> struct.value = 4.0

>> a[4] = struct ;works, but not really straight forward...

>> print, a

>> END

>>

>> It seems like I can't address a structure element of a list directly.

>> Did I misplace my parenthesis? Is there a less cumbersome workaround?

>

> Seems like a flat-out bug to me. List elements should be "lvalues," as they say in the compile business.

> Craig

>

Yes, seems like a bug. Note that index notation works:

```
IDL> print, (a[4]).(0)
      3.00000
```

Mike

--

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

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