Subject: Re: buggy dictionary
Posted by Dick Jackson on Tue, 09 Jun 2015 16:10:46 GMT
View Forum Message <> Reply to Message

On Tuesday, 9 June 2015 04:01:43 UTC-7, fawltyl...@gmail.com wrote:
> On Tuesday, June 9, 2015 at 11:32:30 AM UTC+2, Helder wrote:
>>
>> a = dictionary('b',dictionary('c',findgen(10)))
>> print, a.b['c',[1:-1]]
>>
>> However, as you pointed out, this delivers the wrong answer. Exelis acknowledged this (incident number 294397) and filed a bug report.
>>
>> So this will give a wrong answer:
>> print, a.b['c',[1:-1]]
>
> Here [1:-1] is not a subscript range, it is the colon operator for array creation (introduced in IDL 8.3):
>
> IDL> x=[1:-1]
> IDL> help, x & print, x
> X INT = Array[3]
> 1 0 -1
>
> So [1:-1] is actually an array subscript (with the usual array subscript clipping).
>
>> but this will be ok:
>> print, a.b.c[1:-1]
>
> Here [1:-1] is a subscript range with a negative subscript value.
>
> So the two [1:-1]'s have different meaning.
>
> regards,
> Lajos

Oops, you're right! And I do find the same behaviour, when I actually test Helder's case:

```
IDL> a = dictionary('b',dictionary('c',findgen(10)))
IDL> a.b.c[[1:-1]]
      1.0000000      0.00000000      0.00000000
IDL> a.b.c[1:-1]
      1.0000000       2.0000000       3.0000000       4.0000000       5.0000000       6.0000000
      7.0000000       8.0000000       9.0000000
IDL> a.b['c',[1:-1]]
      1.0000000      0.00000000      0.00000000
IDL> a.b['c',1:-1]
      1.0000000       2.0000000       3.0000000       4.0000000       5.0000000       6.0000000
```

7.0000000 8.0000000 9.0000000

Sorry for the miscommunication!

Cheers,
-Dick

Dick Jackson Software Consulting Inc.
Victoria, BC, Canada --- http://www.d-jackson.com
