
Subject: Re: Simple IDL array bound checking bug
Posted by [Liam Gumley](#) on Fri, 13 Sep 1996 07:00:00 GMT
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William Connolley wrote:

```
> How on earth does IDL fail to spot the following array bound violation?
> wmc> data=fltarr(1)
> ; Case 1 - OK
> wmc> print,data(2)
> % Attempt to subscript DATA with <INT    (    2)> is out of range.
> % Execution halted at: $MAIN$
> ; Case 2 - blithely prints junk
> wmc> print,data([2])
>      0.00000
```

This is explained on page 5-5 of the IDL 4.0.1 User's Guide,
"Array Subscripts". I quote:

"If an element of the subscript array is less than or equal to zero, the first element of the subscripted variable is selected. If an element of the subscript is greater than or equal to the last subscript in the subscripted variable (N, above), the last element is selected. "

Cheers,
Liam.
