
Subject: Re: BUG: How to crash IDL using !null
Posted by [R.Bauer](#) on Mon, 21 Feb 2011 10:45:01 GMT
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Am 20.02.2011 06:48, schrieb M. Katz:

```
> Here's a serious crash I found in IDL 8.0.1 (Mac) {not tested on other
> platforms yet} having to do with !null as an array index in a
> structure field that happens to be an array.
>
> THIS WORKS NORMALLY:
>
> a = fltarr(10)
> w = where(a EQ 99, /null) ;--- here w will be !null
> a[w] = 1. ;--- these two are interchangeable since w is !null
> a[!null] = 1.
>
> THIS CRASHES IDL:
>
> a = {b:fltarr(10)} ;--- create a structure with an array
> w = where(a.b EQ 99, /null) ;--- here w will be !null
> print, w ;--- show us that w is !null
```

```
IDL> f = {test:[1,2]}
IDL> print, f.test[!null]
```

crashes it too, looks like it is not consitantly for all types implementd

Reimar

```
> a.b[w] = 1 ;--- here it crashes for me.
> a.b[!null] = 1 ;--- this equivalent statement also crashes.
>
> I haven't yet tried this with all forms of lists and hashes, pointers
> etc.
> Anyone have any ideas besides, "Don't do that."
>
> M.
```

Subject: Re: BUG: How to crash IDL using !null
Posted by [penteado](#) on Mon, 21 Feb 2011 11:32:31 GMT
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This is what I get

```
IDL> print,!version
```

```
{ x86_64 linux unix linux 8.0.1 Oct 7 2010 64 64}
IDL> a={b:dindgen(10)}
IDL> help,(a.b)[!null]
<Expression> UNDEFINED = !NULL
% Temporary variables are still checked out - cleaning up...
IDL> help,a.b[!null]
Segmentation fault (core dumped)
```

Subject: Re: BUG: How to crash IDL using !null
Posted by [chris_torrence@NOSPAM](#) on Mon, 21 Feb 2011 17:43:27 GMT
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I see the same crashes on both Mac & Windows here at ITTVIS. We'll try to get a fix into IDL 8.1.

Thanks for catching it!

-Chris
ITTVIS
