
Subject: _EXTRA inheritance crashing IDL
Posted by [mal11](#) on Tue, 29 Apr 2003 19:50:03 GMT
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In IDL 5.6, it appears that the fatal _REF_EXTRA bug was fixed, but I am wondering if I have found another bug. Try these 2 simple procedures:

```
PRO test1, _REF_EXTRA=ex
  test2, _EXTRA=ex
  ;test2, _EXTRA=['BLAH1','BLAH2']
END
```

```
PRO test2, BLAH1 = blah1, BLAH2 = blah2
  PRINT, "test2 called"
  IF KEYWORD_SET(blah1) THEN PRINT, "Blah1 passed!"
  IF KEYWORD_SET(blah2) THEN PRINT, "Blah2 passed!"
END
```

Notice the first way of calling test2 in test1. This has all the expected behavior. The second manner that is commented out should work the same.

But try passing just one keyword.

```
test1, BLAH2=2.0
```

For me with IDL 5.6 under WinXP Pro, this crashes IDLDE with an invalid memory read. If someone else can confirm that this is a bug, I will report it...

Regards
Matthew Lewis
UT Southwestern Medical Center at Dallas

In article <a950i2\$6j6\$1@newsreader.mailgate.org>, "Mark Hadfield" <m.hadfield@niwa.co.nz> wrote:

```
>
> Yes it's a bug. Report it to IDL.
>
```

I did, and found that it is a known issue, to be fixed in version 5.6. David asked for RSI's response to be posted, so here goes:

RE: Incident #: 120580 Tech Support Submission

I believe in your case, however, that you are actually experiencing the symptoms of a known bug that appeared first in IDL

5.5, and
has already been identified and recoded for subsequent release in IDL
5.6.
Here is the bug report:

"Title: "Passing _REF_EXTRA keyword name without specifying keyword
crashes
IDL"

Description:

Compile the following procedures in IDL:

```
pro test2, junk=junk
  print, 'hi'
end
pro test, _REF_EXTRA=_extra
  test2, _Extra='junk'
end
```

Calling "test" without passing the JUNK keyword causes a SegFault on
Solaris
and dereference error (at 0xffffffc) on Windows, and crashes IDL.

Resolution:

This is an internal logic error, in which IDL was looking for
_REF_EXTRA
variables to pass on even though the current frame has no such
variables."

James Jay Jones
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Subject: Re: _EXTRA inheritance crashing IDL
Posted by [Mark Hadfield](#) on Tue, 29 Apr 2003 22:05:56 GMT
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"M A lewis" <mal11@po.cwru.edu> wrote in message
news:c8765746.0304291150.534f349b@posting.google.com...
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> invalid memory read. If someone else can confirm that this is a bug,  
> I will report it...
```

I get it too (IDL 5.6 on Win 2000). It's not 100% consistent. In playing around with your example I managed to crash IDLDE several times in the way you describe, but in my current session everything seems to be working OK. (I think it's something to do with the order in which I tried things out.) And on one occasion I got an internal memory error rather than a crash (I didn't note it down at the time, but it was something about an invalid IDL_kwvariable)

By the way, why are you using the `_EXTRA=['BLAH1','BLAH2']` syntax? I haven't found it very useful.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"
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National Institute for Water and Atmospheric Research (NIWA)
