Subject: Re: help & help,/structure
Posted by Heinz Stege on Fri, 13 Aug 2010 20:37:23 GMT
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On Fri, 13 Aug 2010 11:59:58 -0700 (PDT), wlandsman wrote:

> A documented new feature of HELP,/STRUCTURE in IDL 8.0 has caused me
> a minor annoyance: According to the online help:
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>   "If a single argument is provided to HELP, and it is a structure,
> then HELP will automatically display the structure information without
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>   But I think this means that I can no longer use HELP to determine
> the number of elements in a structure array.   In IDL 7.1 I could
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>
> IDL> print,!version
> { x86 linux unix linux 7.1.1 Aug 19 2009   32   64}
> IDL> help,tab
> TAB   STRUCT   = -> <Anonymous> Array[58]
>
> to determine that it has 58 elements.   But in IDL 8.0, I get
> information about the structure but no information about the number of
> elements it contains...   I have to print,N_Elements(tab) .   --Wayne
>
> IDL> print,!version
> { x86 linux unix linux 8.0 Jun 18 2010   32   64}
>
> IDL> help,tab
> ** Structure <a065d74>, 21 tags, length=168, data length=162, refs=1:
>   OBS_ID   STRING   '00031688021 '
>   EXTNAME   STRING   'uu297081092I   '
>   ASPCORR   INT   0
>   FILTER   STRING   'U   '
>   TSTART   DOUBLE   2.9708109e+08

I had that problem too, played a while arround, and found that
help,names='tab' is doing the trick.

Shorter, but a little bit uggly: help,tab,''

help,tab,structures=0 unexspectedly does not work ;-)

Would really be nice, to have the dimension information within the
header line of the help,tab output.

Subject: Re: help & help,/structure
Posted by Michael Galloy on Fri, 13 Aug 2010 20:56:46 GMT

On 8/13/10 2:37 PM, Heinz Stege wrote:
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Yes, it seems like /STRUCTURES should only automatically kick in is if

the only variable passed to HELP is a structure *and* only has a single
element. IDL 8.0.1?

Mike
--
www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: help & help,/structure
Posted by chris_torrence@NOSPAM on Fri, 13 Aug 2010 21:56:53 GMT

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On Aug 13, 2:56 pm, mgalloy <mgal...@gmail.com> wrote:
> On 8/13/10 2:37 PM, Heinz Stege wrote:
>
>
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>
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> Mike
> --www.michaelgalloy.com
> Research Mathematician
> Tech-X Corporation
```

Mike is exactly correct. This was an oversight in IDL 8.0, and will be
fixed in the next update. It will automatically do the /structure if
there is only 1 element.

-Chris
ITTVIS

Subject: Re: help & help,/structure
Posted by Anonymous on Wed, 06 Apr 2011 00:14:44 GMT
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Originally posted by: Demitri

Hi,

I've just been bitten by this new "feature". I have a script that calls
'help', but now with 8.0 it dumps the full structure to the screen.
This output is longer than the screen so the effective result is that
my script stops until I manually hit a spacebar to continue. Truly
annoying when I had to do this about 200 times today.

Can I turn this off? Barring this, is there a way I can code this so

that it will work as before if I run IDL 7 or 8?

Cheers,
Demitri
New York University

(Wow, I managed to write that in a fairly civilized manner!)

On 2010-08-13 17:56:53 -0400, Chris Torrence <gorthmog@gmail.com> said:

> On Aug 13, 2:56ï¿½pm, mgalloy <mgal...@gmail.com> wrote:
>> On 8/13/10 2:37 PM, Heinz Stege wrote:
>>
>>
>>
>>
>>
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ï¿½<Anonymous> ï¿½Arr
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---

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>>
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>>>> ** Structure<a065d74>, 21 tags, length=168, data length=162, refs
> =1:
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>>>> ï¿½ ï¿½EXTNAME ï¿½ ï¿½ ï¿½ ï¿½ STRING ï¿½ ï¿½'uu297081092I ï¿½ ï¿½'
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> -Chris
> ITTVIS

Subject: Re: help & help,/structure
Posted by R.G.Stockwell on Fri, 15 Apr 2011 03:16:06 GMT
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> "Demitri" wrote in message
> news:4d9bb075$0$20476$c3e8da3$eb767761@news.astraweb.com...
> Hi,
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> 'help', but now with 8.0 it dumps the full structure to the screen.
> This output is longer than the screen so the effective result is that
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> annoying when I had to do this about 200 times today.
> Can I turn this off? Barring this, is there a way I can code this so
> that it will work as before if I run IDL 7 or 8?
> Cheers,
> Demitri
> New York University
> (Wow, I managed to write that in a fairly civilized manner!)
> ---

ha, yeah it is a bit annoying, for help of an array of structures.

I have found myself adding a second garbage (non-existent) variable, which
makes it work.

help, mystructarr, a

where a does not exist.

IDL> help, star,a
star   STRUCT   = -> <Anonymous> Array[54]
A   UNDEFINED = <Undefined>

cheers,
bob