
Subject: IDLDoc Error

Posted by [David Fanning](#) on Mon, 14 Nov 2011 20:22:22 GMT

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Folks,

I have been doing a LOT of documentation work the past couple of days, and after a rough start I have gotten whole directories of files to compile without warning messages from IDLDoc, version 3.3. I believe I am starting to know what I am doing.

So, this afternoon I turned my attention to updating my ActiveContour software. I marked up all the files with rst mark-up, and when I was finished I executed the very same idldoc command I have been using all week:

```
IDL> idldoc, $
      root='c:\idl\activecontour\source', $
      output='c:\idl\activecontour\source\activecontourdocs', $
      title='Coyote Graphics Active Contour Routines', $
      subtitle= 'Date: ' + Systime(), /NoSource
```

Only this time, I get the following error:

Copying resources...

Parsing .\...

Parsing testapplication.pro...

% IDLDOC: Array dimensions must be greater than 0.

If I remove testapplication.pro, it fails on the next file. In fact, it won't work with *any* file in the directory. Which leads me to conclude something else is wrong. Does anyone have any clues?

Thanks,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Tue, 22 Nov 2011 18:29:27 GMT

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On 11/21/11 2:59 PM, Michael Galloy wrote:

> IDLdoc 3.4 was released today. Download at:
>
> idldoc.idldev.com/wiki/Downloads
>
> Release notes:
>
> * Allow LaTeX equation formatting.
>
> * Fix for bug where links to routines, files, etc. in directory
> overview comments on the overview page were not correct.
>
> * Adding links to parent items in index entries.
>
> * Changes to HTML output styling including larger type size.
>
> * Fixed bug where DLM contents could not be references using backtick
> notation in rst markup syntax.
>
> * Added private and hidden attributes to directory names in overview
> file.
>
> * Not showing warnings page when USER keyword is set.
>
> * Fixed bug where parsing rst Requires tag would cause IDLdoc to crash.
>
> * Fixed bug where Warnings page showed items from private or hidden
> items.

And, how could I forget, a new color scheme!

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Tech-X Corporation

Subject: Re: IDLDoc Error

Posted by [David Fanning](#) on Tue, 22 Nov 2011 21:46:02 GMT

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Michael Galloy writes:

> And, how could I forget, a new color scheme!

Yes, and very attractive, too! :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDLDoc Error

Posted by [sh](#) on Thu, 24 Nov 2011 08:59:54 GMT

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Unfortunately I always get the error message:

```
% IDLDOC: Attempt to subscript V2PARTS with I is out of range.  
-162
```

with idldoc-3.4! What's the problem?

And it still eats up a lot of memory, but I couldn't test it with our whole library (> 2000 files) due to the error above. idldoc-3.3 never could finish all files due to a memory crash of IDL (around 2 GB)! Is it somehow possible to split it up? E.g. use idldoc on certain folders and then merge the htmls?

Cheers,
Sebastian

Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Mon, 28 Nov 2011 20:02:58 GMT

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On 11/24/11 1:59 AM, sebastian wrote:

> Unfortunately I always get the error message:

>

> % IDLDOC: Attempt to subscript V2PARTS with I is out of range.

> -162
>
> with idldoc-3.4! What's the problem?
>
> And it still eats up a lot of memory, but I couldn't test it with our
> whole library (> 2000 files) due to the error above. idldoc-3.3 never
> could finish all files due to a memory crash of IDL (around 2 GB)! Is
> it somehow possible to split it up? E.g. use idldoc on certain folders
> and then merge the htmls?

That error is coming from the routine that compares version numbers, so I would suspect IDLdoc is having a problem with something in a :Requires: field. I am tracking this down and will provide a patch when I figure it out (if it is easy for you to find the contents of the :Requires: fields, that would be handy information for me).

The memory issue is a bit trickier. The IDL library is about 1400 files and IDLdoc runs through it on my computer (though it can take almost an hour). A merge of partial runs might be a solution, though that would take some significant work.

Mike

--

Michael Galloy

www.michaelgalloy.com

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Research Mathematician

Tech-X Corporation

Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Mon, 28 Nov 2011 23:03:58 GMT

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On 11/28/11 1:02 PM, Michael Galloy wrote:

> On 11/24/11 1:59 AM, sebastian wrote:
>> Unfortunately I always get the error message:
>>
>> % IDLDOC: Attempt to subscript V2PARTS with I is out of range.
>> -162
>>
>> with idldoc-3.4! What's the problem?
>>
>> And it still eats up a lot of memory, but I couldn't test it with our
>> whole library (> 2000 files) due to the error above. idldoc-3.3 never
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>> it somehow possible to split it up? E.g. use idldoc on certain folders
>> and then merge the htmls?

>
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>
> The memory issue is a bit trickier. The IDL library is about 1400 files
> and IDLdoc runs through it on my computer (though it can take almost an
> hour). A merge of partial runs might be a solution, though that would
> take some significant work.

OK, I believe I have a fix for this. I will send you a beta offline to see if this fixes the issue for you.

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Tech-X Corporation

Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Tue, 29 Nov 2011 18:10:06 GMT

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On 11/28/11 4:03 PM, Michael Galloy wrote:

> On 11/28/11 1:02 PM, Michael Galloy wrote:

>> On 11/24/11 1:59 AM, sebastian wrote:

>>> Unfortunately I always get the error message:

>>>

>>> % IDLDOC: Attempt to subscript V2PARTS with I is out of range.

>>> -162

>>>

>>> with idldoc-3.4! What's the problem?

>>>

>>> And it still eats up a lot of memory, but I couldn't test it with our

>>> whole library (> 2000 files) due to the error above. idldoc-3.3 never

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>>> it somehow possible to split it up? E.g. use idldoc on certain folders

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>>>

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>> hour). A merge of partial runs might be a solution, though that would
>> take some significant work.
>
> OK, I believe I have a fix for this. I will send you a beta offline to
> see if this fixes the issue for you.
>
> Mike

OK, I have a fix that works for Sebastian (both for the crash and the memory limits, though I didn't do anything for the memory issue in this release, it was fixed along the way somehow), so I'm releasing 3.4.1. Get it here:

<http://idldoc.idldev.com/wiki/Downloads>

Mike

--

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