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Subject: Re: IDLDoc Error

Posted by [David Fanning](#) on Mon, 14 Nov 2011 22:33:12 GMT

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David Fanning writes:

```
> 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?
```

With Mike's help, we have traced this down to a problem with the :Requires: tag. He was making some assumptions about what would go into this tag which wasn't true in my case. The problem is fixed and will appear in the next release of IDLDocs, which should occur within the next few weeks.

Thanks for the help, Mike!

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.

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Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Wed, 16 Nov 2011 18:08:41 GMT

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On 11/14/11 3:33 PM, David Fanning wrote:

> David Fanning writes:

>

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> some assumptions about what would go into this tag  
> which wasn't true in my case. The problem is fixed  
> and will appear in the next release of IDLDocs, which  
> should occur within the next few weeks.

>

> Thanks for the help, Mike!

If you would like to try the new release, I have a 3.4 beta release available:

<http://michaelgalloy.com/wp-content/uploads/2011/11/idldoc-3.4beta.zip>

And here is the full source code version:

<http://michaelgalloy.com/wp-content/uploads/2011/11/idldoc-3.4beta-src.zip>

This is mostly a bug fix version, but there is one big feature: LaTeX equation formatting. To use LaTeX equations in your docs, just use standard LaTeX syntax anywhere plain text is allowed. For example, here is an example of using an equation in the main description:

```
;+
; Inverse hyperbolic cosine. Uses the formula:
;
; 
$$\text{acosh}(z) = \ln(z + \sqrt{z + 1} \sqrt{z - 1})$$

;
; :Returns:
;   float, double, complex, or double complex depending on the input
;
; :Params:
;   z : in, required, type=numeric
;     input
;-
```

Inline equations are also allowed. Both can appear in the main description and inside most tags (anywhere comments are just copied over to the output).

Please let me know if you find any issues. I would like to release 3.4 next week.

Mike

--

Michael Galloy

[www.michaelgalloy.com](http://www.michaelgalloy.com)

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

Research Mathematician

Tech-X Corporation

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Subject: Re: IDLDoc Error

Posted by [Michael Galloy](#) on Mon, 21 Nov 2011 21:59:31 GMT

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On 11/16/11 11:08 AM, Michael Galloy wrote:

> If you would like to try the new release, I have a 3.4 beta release  
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>

> <http://michaelgalloy.com/wp-content/uploads/2011/11/idldoc-3.4beta.zip>

>  
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$$\text{acosh}(z) = \ln(z + \sqrt{z + 1} \sqrt{z - 1})$$
  
 > ;  
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 > ;  
 > ;Params:  
 > ; z : in, required, type=numeric  
 > ; input  
 > ;-  
 >  
 > Inline equations are also allowed. Both can appear in the main  
 > description and inside most tags (anywhere comments are just copied over  
 > to the output).  
 >  
 > Please let me know if you find any issues. I would like to release 3.4  
 > next week.  
 >  
 > Mike

IDLdoc 3.4 was released today. Download at:

[idldoc.idldev.com/wiki/Downloads](http://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.

Mike

--

Michael Galloy

[www.michaelgalloy.com](http://www.michaelgalloy.com)

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

Research Mathematician

Tech-X Corporation

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