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.

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 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 coudn'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 coudn'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 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 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 coudn'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.

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

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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 coudn'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.

>

- > 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 Sebastion (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

--

Michael Galloy www.michaelgalloy.com Modern IDL, A Guide to Learning IDL: http://modernidl.idldev.com Research Mathematician Tech-X Corporation