
Subject: IDLdoc 3.0 released

Posted by [Michael Galloy](#) on Tue, 22 Jan 2008 05:47:55 GMT

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IDLdoc 3.0 is ready! Highlights of this release:

- * IDLdoc 3.0 was rewritten from scratch to allow it to be released under an open source license. Source code is available from the project website.

- * There are multiple formats for entering comments: the normal IDLdoc style, the traditional IDL comment header, and new style based on restructured text.

- * Ability to do some simple formatting of comments without resorted to putting ugly HTML into your comments.

For more information about this release, see the project website download page:

<http://idl.doc.idldev.com/wiki/Downloads>

Mike

--

www.michaelgalloy.com
Tech-X Corporation
Software Developer II

Subject: Re: IDLdoc 3.0 released

Posted by [Ingo von Borstel](#) on Wed, 23 Jan 2008 09:00:22 GMT

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Hi,

- > * IDLdoc 3.0 was rewritten from scratch to allow it to be released
- > under an open source license. Source code is available from the
- > project website.

Sounds pretty cool. Unfortunately when trying to run it I run into a problem:

```
IDL> restore, 'idl.doc.sav'
```

```
IDL> idl.doc, root='/idltools/pfctools2', output='/idltools/doc',  
format='idl'
```

```
% IDLDOC: Attempt to call undefined procedure/function: 'SCOPE_TRACEBACK'.
```

```
IDL> print, !version
```

```
{ x86 linux unix linux 6.1 Jul 14 2004    32    64}
```

Is my not-so new version the problem? Or where do I have to look for 'scope_traceback'?

Best regards,
Ingo

--

Ingo von Borstel <newsgroups@planetmaker.de>
Public Key: <http://www.planetmaker.de/ingo.asc>

If you need an urgent reply, replace newsgroups by vgap.

Subject: Re: IDLdoc 3.0 released
Posted by [Foldy Lajos](#) on Wed, 23 Jan 2008 10:50:36 GMT
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On Wed, 23 Jan 2008, Ingo von Borstel wrote:

```
> Hi,
>
>>  * IDLdoc 3.0 was rewritten from scratch to allow it to be released
>>  under an open source license. Source code is available from the
>>  project website.
>
> Sounds pretty cool. Unfortunately when trying to run it I run into a
> problem:
>
> IDL> restore, 'idldoc.sav'
> IDL> idldoc, root='/idltools/pfctools2', output='/idltools/doc',
> format='idl'
> % IDLDOC: Attempt to call undefined procedure/function: 'SCOPE_TRACEBACK'.
> IDL> print, !version
> { x86 linux unix linux 6.1 Jul 14 2004    32    64}
>
> Is my not-so new version the problem? Or where do I have to look for
> 'scope_traceback'?
>
> Best regards,
> Ingo
>
> --
> Ingo von Borstel <newsgroups@planetmaker.de>
> Public Key: http://www.planetmaker.de/ingo.asc
>
> If you need an urgent reply, replace newsgroups by vgap.
>
```

SCOPE_TRACEBACK was introduced in IDL 6.2.

regards,
lajos

Subject: Re: IDLdoc 3.0 released
Posted by [Ingo von Borstel](#) on Wed, 23 Jan 2008 12:28:40 GMT
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Hi,
> SCOPE_TRACEBACK was introduced in IDL 6.2.
>
Thanks. I feared something like that :(

Regards,
Ingo

--
Ingo von Borstel <newsgroups@planetmaker.de>
Public Key: <http://www.planetmaker.de/ingo.asc>

If you need an urgent reply, replace newsgroups by vgap.

Subject: Re: IDLdoc 3.0 released
Posted by [David Fanning](#) on Wed, 23 Jan 2008 15:28:00 GMT
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Brian Larsen writes:

> I decided to go through my library last night and see what could
> be done "out of the box" and it worked great.

I tried this "out of the box" thing, too. But my results
were not so great. :-(

I tried documenting this file, which uses a fairly
routine IDL doc template:

<http://www.dfanning.com/programs/aspect.pro>

And the result looked like this:

NAME: ASPECT PURPOSE: This function calculates and returns the
normalized position coordinates necessary to put a plot with a specified
aspect ratio into the currently active graphics window. It works on the

display output window as well as in a PostScript output window. CATEGORY: Graphics CALLING SEQUENCE: position = ASPECT(aspectRatio) INPUTS: aspectRatio: A floating point value that is the desired aspect ratio (ratio of height to width) of the plot in the current graphics output window. If this parameter is missing, an aspect ratio of 1.0 (a square plot) is assumed. KEYWORDS: MARGIN: The margin around the edges of the plot. The value must be a floating point value between 0.0 and 0.5. It is expressed in normalized coordinate units. The default margin is 0.15. WINDOWASPECT: The aspect ratio of the target window. If not provided, the value is obtained from the current graphics window. OUTPUTS: position: A four-element floating array of normalized coordinates. The order of the elements is [x0, y0, x1, y1], similar to the !P.POSITION system variable or the POSITION keyword on any IDL graphic command. EXAMPLE: To create a plot with an aspect ratio of 1:2 and a margin of 0.10 around the edge of the output window, do this: plotPosition = ASPECT(0.5, Margin=0.10) PLOT, Findgen(11), POSITION=plotPosition Notice this can be done in a single IDL command, like this: PLOT, Findgen(11), POSITION=ASPECT(0.5, Margin=0.10) MODIFICATION HISTORY: Written by: David Fanning, November 1996. Added better error checking, 18 Feb 1997, DWF. Added WindowAspect keyword. 10 Feb 2000. DWF Added double precision tolerance for aspectRatio. 9 NOV 2001 BT

Not really what I had in mind. :-(

What would I have to do to fix this?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: IDLdoc 3.0 released

Posted by [Michael Galloy](#) on Wed, 23 Jan 2008 15:49:13 GMT

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On Jan 23, 8:28 am, David Fanning <n...@dfanning.com> wrote:

> Not really what I had in mind. :-(

>

> What would I have to do to fix this?

Use:

IDL> idldoc, root=root, output=output, format_style='IDL'

The default FORMAT_STYLE is 'IDLdoc' to keep backward compatibility with older versions.

Mike

--

www.michaelgalloy.com
Tech-X Corporation
Software Developer II

Subject: Re: IDLdoc 3.0 released
Posted by [David Fanning](#) on Wed, 23 Jan 2008 16:01:27 GMT
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mgalloy@gmail.com writes:

> Use:
>
> IDL> idldoc, root=3Droot, output=3Doutput, format_style=3D'IDL'
>
> The default FORMAT_STYLE is 'IDLdoc' to keep backward compatibility
> with older versions.

OK, better. But a great deal of the information seems to be missing. Especially the descriptions of the keywords and parameters. Do you suppose this is because of my overuse of white space? Could I write my own template to parse the kind of document headers I write?

Cheers,

David

P.S. Mike, I feel your pain in having to devote full time to User Support, but it's greatly appreciated. :-)

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDLdoc 3.0 released
Posted by [Michael Galloy](#) on Wed, 23 Jan 2008 18:50:14 GMT
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On Jan 23, 9:01 am, David Fanning <n...@dfanning.com> wrote:

> mgal...@gmail.com writes:

>> Use:

>

>> IDL> idldoc, root=3Droot, output=3Doutput, format_style=3D'IDL'

>

>> The default FORMAT_STYLE is 'IDLdoc' to keep backward compatibility

>> with older versions.

>

> OK, better. But a great deal of the information seems to be
> missing. Especially the descriptions of the keywords and
> parameters. Do you suppose this is because of my overuse
> of white space? Could I write my own template to parse the
> kind of document headers I write?

Let me try to doc the file your linked to and see what the problem is.
The main problem with the "IDL" style is that it is a bit "free
form".

It is possible to write your own format style parser, but that's not
for the faint of heart. I think having a more rigorous IDL format
parser would be a better solution right now.

> P.S. Mike, I feel your pain in having to devote full time
> to User Support, but it's greatly appreciated. :-)

No problem. Comments here have already helped me create more
documentation.

Mike

--

www.michaelgalloy.com

Tech-X Corporation

Software Developer II

Subject: Re: IDLdoc 3.0 released

Posted by [Michael Galloy](#) on Wed, 23 Jan 2008 19:27:21 GMT

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On Jan 23, 9:01 am, David Fanning <n...@dfanning.com> wrote:

> mgal...@gmail.com writes:

>> Use:

>

>> IDL> idldoc, root=3Droot, output=3Doutput, format_style=3D'IDL'

>

>> The default FORMAT_STYLE is 'IDLdoc' to keep backward compatibility

>> with older versions.

>
> OK, better. But a great deal of the information seems to be
> missing. Especially the descriptions of the keywords and
> parameters. Do you suppose this is because of my overuse
> of white space? Could I write my own template to parse the
> kind of document headers I write?

The problem is the license and blank lines between the ";-" and the "function aspect" line. Currently, IDLdoc associates the comment block with the file, not the routine. So some of the blocks in it are ignored. It is a current feature request to associate a file level comment header in the IDL style with the last routine in the file.

The current workaround is to make sure that ;- and "function aspect..." are adjacent, i.e. move the license to the beginning of the file.

Mike

--

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Software Developer II

Subject: Re: IDLdoc 3.0 released
Posted by [Michael Galloy](#) on Mon, 28 Jan 2008 02:07:26 GMT
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mgalloy@gmail.com wrote:

> For more information about this release, see the project website
> download page:
>
> <http://idldoc.idldev.com/wiki/Downloads>

Comments here prodded me to create some more documentation for new users:

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

This includes a two-minute introduction screencast. This seems like a good way to explain some topics, so maybe I'll make some IDL Workbench screencasts in the future.

Mike

--

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