
Subject: Re: IDLdoc 3.0 released

Posted by [Vince Hradil](#) on Tue, 22 Jan 2008 13:48:54 GMT

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On Jan 21, 11:47 pm, "mgal...@gmail.com" <mgal...@gmail.com> wrote:

- > 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://idldev.com/wiki/Downloads>
- >
- > Mike
- > --www.michaelgalloy.com
- > Tech-X Corporation
- > Software Developer II

Mike,

Maybe I'm a little dense, but I can't figure out how your program works. Perhaps your bullet point "read user information about IDLdoc" might help, but there is no link. What are the installation instructions, requirements, and usage?

Thanks,
Vince

Subject: Re: IDLdoc 3.0 released

Posted by [Michael Galloy](#) on Tue, 22 Jan 2008 16:01:18 GMT

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On Jan 22, 6:48 am, Vince Hradil <hrad...@yahoo.com> wrote:

- > Maybe I'm a little dense, but I can't figure out how your program
- > works. Perhaps your bullet point "read user information about IDLdoc"
- > might help, but there is no link. What are the installation
- > instructions, requirements, and usage?

Try

```
idldoc, root=source_code_dir, output=doc_dir
```

where `source_code_dir` is a directory containing IDL .pro or .sav files and `doc_dir` is where you want the output to go. To view the output, start with doc_dir/index.html. To learn how to format your comments so that IDLdoc understands them, see the "Help" tab on navigation bar on the top of any page.

Mike

--

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

Subject: Re: IDLdoc 3.0 released
Posted by [Brian Larsen](#) on Tue, 22 Jan 2008 17:05:27 GMT
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I think I too must be dense... I figured out how to run it but I can't seem to find any documentation on how to document my code so that idldoc will parse it correctly. If such a thing exists can you point us to it? This certainly is cool and I would like to use it.

For background I use the "idlwave->templates->doc" header in emacs. Idl doc works but everything is in the comment field below the routine name leaving the Parameters, and keywords with only the names with no descriptions.

Cheers,

Brian

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: IDLdoc 3.0 released
Posted by [Michael Galloy](#) on Tue, 22 Jan 2008 17:21:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Jan 22, 10:05 am, Brian Larsen <balar...@gmail.com> wrote:
> I think I too must be dense... I figured out how to run it but I

- > can't seem to find any documentation on how to document my code so
- > that idldoc will parse it correctly. If such a thing exists can you
- > point us to it? This certainly is cool and I would like to use it.

If you have run IDLdoc, then look at the index.html file in the output. On any page of the output, there is a "Help" link at the right in the navigation bar at the top of the page. This gives help on other keywords to IDLdoc and to the various comment format styles available.

- > For background I use the "idlwave->templates->doc" header in emacs.
- > Idl doc works but everything is in the comment field below the routine
- > name leaving the Parameters, and keywords with only the names with no
- > descriptions.

Yes, using the default idlwave->templates->doc is the "IDL" style: use `FORMAT_STYLE='IDL'` on the call to IDLdoc.

I'm working on more new user documentation, but I don't have "Getting Started" type documentation yet.

Mike

--

www.michaelgalloy.com

Tech-X Corporation

Software Developer II

Subject: Re: IDLdoc 3.0 released

Posted by [KRDean](#) on Tue, 22 Jan 2008 17:32:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Jan 22, 6:48 am, Vince Hradil <hrad...@yahoo.com> wrote:

> On Jan 21, 11:47 pm, "mgal...@gmail.com" <mgal...@gmail.com> wrote:

>

>

>

>

>

>> IDLdoc 3.0 is ready! Highlights of this release:

>

>> * IDLdoc 3.0 was rewritten from scratch to allow it to be released
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>> IDLdoc style, the traditional IDL comment header, and new style based
>> on restructured text.

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>> to putting ugly HTML into your comments.
>
>> For more information about this release, see the project website
>> download page:
>
>> <http://idldoc.idldev.com/wiki/Downloads>
>
>> Mike
>> --www.michaelgalloy.com
>> Tech-X Corporation
>> Software Developer II
>
> Mike,
> Maybe I'm a little dense, but I can't figure out how your program
> works. Perhaps your bullet point "read user information about IDLdoc"
> might help, but there is no link. What are the installation
> instructions, requirements, and usage?
>
> Thanks,
> Vince- Hide quoted text -
>
> - Show quoted text -

This may help. I created some IDL code that I use and modify whenever I start a new project.
I'll include a sample overview and footer htm file, as well as the IDL code that calls IDLdoc.

Kelly Dean
Fort Collins, CO

=====
Sample Overview.htm
=====

```
<H2>Generate HTML Documetation</H2>  
<P>The Generate HTML Documentation is designed to create HTML reports  
from comments  
    found in the IDL code.  
<P>This application was developed with ITT Visual Information  
Solutions'  
(ITTVIS) Data Analysis and Visualization Software - Interactive Data  
Language (IDL).
```

```
<P>Kelly Dean - January 2008
```

```
:Dirs:  
./
```

Root directory with main IDL routines

===== Sample Footer.htm =====

```
<!-- Project Footer -->
<CENTER>
<FONT STYLE="font-family: Arial; font-size: 8pt">
IDL Library.<BR>
Contact Information: <BR>
Kelly Dean<BR>
Fort Collins, Colorado<BR>
</FONT>
</CENTER>
```

===== IDL Code =====

```
;+
;
;:file_comments:
; <P>This routine is designed to use IDLdoc to create HTML
; documentation from IDL code. IDLdoc is a tool for
; generating documentation into HTML format from comments
; found in the source code.
;
;:keywords:
; root : in, type=string
;     Directory path to IDL source files.
;
; output : in, type=string
;     Directory path and name to HTML output.
;
; title : in, type=string
;     Main title for HTML document.
;
; subtitle : in, type=string
;     Subtitle for HTML document.
;
; overview : in, type=string
;     Directory path and name for overview HTML file.
;
; footer : in, type=string
;     Directory path and name for footer HTML file.
;
; statistics : in, type=string
;     Calculate McCabe statistics for each routine
```

```

;
; :uses:
;   IDLdoc : Document generator found at idldoc.idldev.com
;
; :author:
;   Kelly Dean
;
; :categories:
;   Documentation
;
; :history:
;   Created January 2008
;
;
;-----

```

```

PRO Gen_HTM_Doc3, root=root,      $
      output=output,      $
      title=title,      $
      subtitle=subtitle,      $
      overview=overview,      $
      footer=footer,      $
      statistics=statistics

```

```

; Initialize some variables

```

```

dirPath = 'C:\Test'
proj = 'GenHTML'
ver = '.0.0.1'
projver = proj + ver

```

```

; Location of IDLdoc save file

```

```

GalloySAV = dirPath + '\ContribIDL\Galloy\IDLdoc\idldoc.sav'

```

```

; Check keyword -

```

```

IF ( N_ELEMENTS( title ) EQ 0 ) THEN BEGIN
  title = proj
ENDIF

```

```

; Check keyword - For subtitle

```

```

IF ( N_ELEMENTS( subtitle ) EQ 0 ) THEN BEGIN
  subtitle = 'Generate HTML Documetation'
ENDIF

```

```

; Check keyword - IDL source

```

```

IF ( N_ELEMENTS( root ) EQ 0 ) THEN BEGIN

```

```
root = dirPath + '\Projects\' + projver + '\src'  
ENDIF
```

```
; Check keyword - Output HTML directory
```

```
IF ( N_ELEMENTS( output ) EQ 0 ) THEN BEGIN  
output = dirPath + '\Projects\' + projver + '\doc\html'  
ENDIF
```

```
; Check keyword - Directory path and name of overview HTML code
```

```
IF ( N_ELEMENTS( overview ) EQ 0 ) THEN BEGIN  
overview = dirPath + '\Projects\' + projver + '\Data\Input  
\ProjOverview.htm'  
ENDIF
```

```
; Check keyword - Directory path and name of footer HTML code
```

```
IF ( N_ELEMENTS( footer ) EQ 0 ) THEN BEGIN  
footer = dirPath + '\Projects\' + projver + '\Data\Input  
\ProjFoot.htm'  
ENDIF
```

```
; Check keyword - Turn on/off McCabe statistics
```

```
IF ( N_ELEMENTS( statistics ) EQ 0 ) THEN statistics = 0
```

```
; Start IDLdoc.
```

```
RESTORE, GalloySAV  
IDLDOC, FORMAT_STYLE='rst', $ ; IDL Doc format style (Restructure  
text format)
```

```
root=root, $ ; Directory path of IDL code  
output=output, $ ; Output directory  
title=title, $ ; Main title  
subtitle=subtitle, $ ; Subtitle title  
overview=overview, $ ; Directory path and name of  
overview HTML code  
footer=footer, $ ; Directory path and name of footer  
HTML code  
statistics=statistics ; Turn on/off McCabe statistics
```

```
END
```

Subject: Re: IDLdoc 3.0 released
Posted by [Brian Larsen](#) on Tue, 22 Jan 2008 17:44:57 GMT

Mike,

Ok the denseness continues... what is going wrong here with this really simple example?

```
;+
; NAME:
; sse
;
;
; PURPOSE:
; return the sum-squared error of the residuals
;
;
; CATEGORY:
; Stats
;
; INPUTS:
; res: residuals to do calculation on
;
;
; OPTIONAL INPUTS:
; none
;
;
; KEYWORD PARAMETERS:
; none
;
;
; OUTPUTS:
; sum-squared error of residuals
;
;
; OPTIONAL OUTPUTS:
; none
;
;
; MODIFICATION HISTORY:
;
;   Sun Nov 25 23:28:11 2007, Brian Larsen
;   <balarsen@bu.edu>
;
; documented, written previously
;-
```

<http://people.bu.edu/balarsen/IDL/tmp/sse.html>

It wont recognize the parameter.

Thanks,

Brian

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: IDLdoc 3.0 released
Posted by [Brian Larsen](#) on Tue, 22 Jan 2008 17:52:45 GMT
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Oh ya this is my command line:
IDL> idldoc, root='/Users/balarsen/Documents/idl/larsen/stats',
output='/Users/balarsen/Documents/idl/larsen/doc', /stat, /user,
FORMAT_STYLE='IDL'

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: IDLdoc 3.0 released
Posted by [KRDean](#) on Tue, 22 Jan 2008 17:56:28 GMT
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On Jan 22, 10:44 am, Brian Larsen <balars...@gmail.com> wrote:
> Mike,
>
> Ok the denseness continues... what is going wrong here with this
> really simple example?
>
> ;+
> ; NAME:
> ; sse
> ;
> ;
> ; PURPOSE:
> ; return the sum-squared error of the residuals
> ;

```

> ;
> ; CATEGORY:
> ; Stats
> ;
> ; INPUTS:
> ; res: residuals to do calculation on
> ;
> ;
> ; OPTIONAL INPUTS:
> ; none
> ;
> ;
> ; KEYWORD PARAMETERS:
> ; none
> ;
> ;
> ; OUTPUTS:
> ; sum-squared error of residuals
> ;
> ;
> ; OPTIONAL OUTPUTS:
> ; none
> ;
> ;
> ; MODIFICATION HISTORY:
> ;
> ;     Sun Nov 25 23:28:11 2007, Brian Larsen
> ;     <balars...@bu.edu>
> ;
> ;     documented, written previously
> ;
> ;-
>
> http://people.bu.edu/balarsen/IDL/tmp/sse.html
>
> It wont recognize the parameter.
>
> Thanks,
>
> Brian
>
> -----
> Brian Larsen
> Boston University
> Center for Space Physics

```

Remove the spaces between ...

;-

Function...

So it should be together...

;

;-

FUNCTION sse, rse

Kelly Dean
Fort Collins, CO

Subject: Re: IDLdoc 3.0 released
Posted by [Brian Larsen](#) on Tue, 22 Jan 2008 17:59:40 GMT
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> Remove the spaces between ...
>
> ;-
>
> Function...

Yep, I knew it was something simple!!!

Thanks

Brian

Brian Larsen
Boston University
Center for Space Physics

Subject: Re: IDLdoc 3.0 released
Posted by [Brian Larsen](#) on Wed, 23 Jan 2008 15:09:08 GMT
[View Forum Message](#) <> [Reply to Message](#)

Mike,
this really is cool and useful. I decided to go through my library
last night and see what could be done "out of the box" and it worked

great. I had to reformat my headers a bit but no problem. In fixing up the codes that didn't have headers I realized just how important this is as there were several codes that I spend a lot of time writing that I couldn't remember how to use at all, which seems like wasted time.

<http://people.bu.edu/balarsen/IDLdoc/>

Thanks for a great package!

Brian

Brian Larsen
Boston University
Center for Space Physics
