Subject: Re: IDLDOC Question Posted by Jeremy Bailin on Thu, 20 Oct 2011 18:48:01 GMT View Forum Message <> Reply to Message

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On 1/24/11 6:39 PM, Michael Galloy wrote:
> On 1/24/11 2:49 pm, David Fanning wrote:
>> Mike, or whomever,
>>
>> What is the best way to document a program with IDLDOC when you
>> really want to document the last module in the file. I'm thinking
>> of FSC_Window, but I should think any widget program would have
>> the same problem.
>>
>> I really like to have the program documentation at the top
>> of the file, but if I understand IDLDOC correctly, the program
>> documentation has to be immediately in front of the procedure
>> or function definition statement that the documentation applies
>> to. Is there any easy way around this restriction? Or, am I
>> misunderstanding the restriction?
>
> IDLdoc has both file-level and routine-level documentation headers. So
> for a widget application you would probably have a file-level header
> that describes the purpose of the application and a routine-level header
> on the main routine to describe the parameters/keywords. Helper
> routines, event handlers, cleanup routines, etc. would be marked private
> so that they don't show up in user-level documentation. I would probably
 do something like this:
  ; docformat = 'rst'
>
>
 ; Documentation about how to use the application, like an example of
  ; of using it::
>
  ; IDL> mg_application, dist(20), some_keyword=5.
>
  ; This should produce output like:
>
>
  ; .. image:: screenshot.png
>
>
> ;:Private:
> :-
> pro mg_application_eventhandler_or_helperroutine, event
  end
> ;+
```

- > ; Documentation on call `MG_APPLICATION`.
 > ;
 > ; :Params:
 > ; data : in, required, type=fltarr(n)
 > ; special data to do something to
 > ;
 > ; :Keywords:
 > ; some_keyword : in, optional, type=float
 > ; specify something
- > , speeding sometimes
- > ;-
- > pro mg_application, data, some_keyword=someKeyword
- > end

>

- > If what you want it to do is document the parameters/keywords of the
- > main routine at the top of the file, there is no mechanism for doing
- > that. The "guiding philosophy" of IDLdoc is to place the documentation
- > for something as close as possible to the actual definition in the code
- > so that the documentation actually is updated as the code is updated. So
- > this means that documenting the params/keyword should happen immediately
- > before or after the "pro" or "function" line in the routine definition.

>

> Mike

Is it possible to have routine-level docformats? Basically, I have a widget program where the main routine is documented in IDL format and I just want to mark all of the helper routines private.

-Jeremy.