Posted by wlandsman on Fri, 10 May 2013 03:52:09 GMT

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Thanks Mike, the logging framework looks great for development of large projects.   In my case, I was able to use PROFILER to list all the procedures used after pressing the widget button - though in alphabetical order rather than in the order they are called.   But among the ~200 procedures listed, I was able to spot and debug the likely culprit. Cheers, --Wayne

On Thursday, May 9, 2013 7:14:42 PM UTC-4, Mike Galloy wrote:
> On 5/9/13 3:03 pm, wlandsman wrote:
>
>> I'm looking for generic advice on how to debug a large widget
>
>> program.   Right now I press on a button and it displays an
>
>> incorrect value.   But I don't have any idea where to insert a
>
>> breakpoint in the thousands of lines of code to debug the problem.
>
>> Yes, I could look at the widget creation section for the button, then
>
>> look for the event handler, and then try to follow the hierarchy of
>
>> procedures until I find the function doing the calculations.
>
>>
>
>> What I would really like is some sort of procedure event log, that
>
>> could show me in order the procedures and functions that are called
>
>> after I press the button.   Sort of like a reverse traceback that
>
>> tells me where I am going rather than how I got where I am ;-)
>
>>
>
>> I vaguely recall reading about something like this, but maybe it
>
>> wasn't in IDL.
>
>>
>
>> Thanks, --Wayne
>
>>
>

>
>
> You could use something like my logging framework, but that would
>
> require putting a line in each routine you cared about. Something as
>
> simple as:
>
>
>
>   mg_log, '', /debug
>
>
>
> When the widget program was initialized, you would want to start up the
>
> logging system with something like:
>
>
>
>   mg_log, level=5, filename='widget.log'
>
>
>
> You can change the level to less than 5 to turn off the /DEBUG messages.
>
>
>
> More information at:
>
>
>
>   http://michaelgalloy.com/2011/11/17/logging.html
>
>
>
> Mike
>
> --
>
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> Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
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