
Subject: Re: RESOLVE_ROUTINE

Posted by [David Fanning](#) on Fri, 03 Jan 2003 21:50:13 GMT

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Darrick White (darrick.white@med.ge.com) writes:

```
> Okay, I'm starting to pull my hair out and I'm sure this is an easy
> question to answer.
>
> Version: IDL 5.6
> Platform: Windows
>
> I want to call the following function (rb_dim_str) from within IDL's
> library file rb_routines.pro. Before I call the function I have the
> following piece of code:
> RESOLVE_ROUTINE, 'rb_routines', /COMPILE_FULL_FILE, /EITHER
>
> The IDLDE recognizes that the function has been compiled.
> ROUTINE_INFO(/FUNCTIONS) returns the rb_dim_str. IDL's command line
> recognizes that the function is compiled (I can type the function at
> the command line and receive a value back). However, when stepping
> (running) my application, I get the following error: Variable is
> undefined: RB_DIM_STR.
>
> Here is a snippet of code:
>
> Function CreateStructure, rb_template_use
>
>   ON_ERROR, 2
>
>   RESOLVE_ROUTINE, 'rb_routines', /COMPILE_FULL_FILE, /EITHER
>
>   .
>   .
>   .
>   result = rb_dim_str( value1, value2 )
>   .
>   .
>   .
>
> End
```

Sigh... I suppose it is asking too much to insist people name their procedures and functions properly to avoid all this rigamarole. And I *know* it is too early in the year to feel this crappy. :-(

I think the problem probably have to do with the order in

which the routines are listed in `rb_routines`. But the chances of getting *that* sorted out are probably about nil.

I'd try adding a `FORWARD_FUNCTION RB_DIM_STR` just after your `RESOLVE_ROUTINE` command and see if that doesn't help some.

Or, you could just grab the `RB_DIM_STR` function out of the library and put it in a file name `rb_dim_str.pro` and for sure things will work better. :-)

Cheers,

David

P.S. I'd also exit IDL and start over. Once IDL gets its mind made up that something is a variable, it is hard to convince it otherwise.

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