
Subject: Re: idl syntax validation

Posted by [Dominic Metzger](#) on Fri, 13 Oct 2006 23:58:16 GMT

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Hi JD,

Thanks you for your help... it works pretty well, but I still get some errors that I am not able to catch... well, I am able to catch them but it prints an error message. How can I get rid of that error message / meaning that it wont print any error message?

```
IDL> validate_routine, ["valid"]
```

```
1
```

```
IDL> validate_routine, ["foo"]
```

```
read_png()
```

```
^
```

```
% Syntax error.
```

```
At: /home/dometz/test_cases/idl/foo.pro, Line 8
```

```
0
```

```
IDL> exit
```

```
function validate_syntax, ROUTINE
```

```
    COMPILE_OPT HIDDEN
```

```
    CATCH, ERROR
```

```
    IF (ERROR NE 0) THEN RETURN, 0
```

```
    RESOLVE_ROUTINE, ROUTINE, /EITHER, /COMPILE_FULL_FILE
```

```
    RETURN, 1
```

```
END
```

```
pro FOO
```

```
    read_png()
```

```
END
```

any ideas?

dometz

JD Smith wrote:

> On Wed, 11 Oct 2006 15:11:05 -0700, Dometz wrote:

>

>> I guess I wasnt clear enough... I mean something that I can run in a

>> bash script to test if a .pro file has valid syntax.

>>

```

>> something like:
>> echo '.compile foo.pro' | idl
>> and then checking if there are any syntax error messages and if there
>> are act accordingly.
>>
>> But is there a better way than using .compile for this?
>
> I guess I didn't do all your homework for you ;). You could use this
> idea to write a function called check_syntax, ala:
>
> function check_syntax,routine
>   catch,err
>   if err ne 0 then return,err
>   resolve_routine,routine,/EITHER,/COMPILE_FULL_FILE
>   return,0
> end
>
> Then a batch file which uses this function, like do_check.pro:
>
> ;=====
> status=check_syntax((command_line_args())[0])
> if status ne 0 then print,!ERROR_STATE.MSG
> exit,STATUS=status
> ;=====
>
> then call, from your shell script:
>
> idl -arg routine do_check.pro
>
> and check the exit status. You might need to monkey IDL_PATH to ensure
> it attempts to compile the correct version of the routine, like:
>
> idl -IDL_PATH "$ (pwd):+ /other/libs:<IDL_DEFAULT>" -arg routine do_check.pro
>
> JD

```
