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Subject: Re: combine CATCH and MESSAGE

Posted by [Paul Van Delst\[1\]](#) on Tue, 27 Sep 2011 15:40:03 GMT

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nata wrote:

> Hello guys,  
>  
> I used to use the CATCH method to catch the errors on my code but I  
> also like the method using ON\_ERROR,2 and MESSAGE.  
> Right now, I would like to combine these 2 methods. Something like:  
>  
> PRO TEST, arg\_1, ERROR=error  
>  
> CATCH, error\_status  
> IF error\_status EQ 0 THEN BEGIN  
> error=0  
> IF N\_ELEMENTS(arg\_1) EQ 0 THEN MESSAGE, 'Incorrect number of  
> arguments'  
>  
> ENDIF ELSE BEGIN  
> error=1  
> CATCH, /CANCEL  
> ENDELSE  
>  
> END  
>  
> Note that in this routine, the output keyword error is very important.  
> The problem here is that I want the message to cause the error and  
> that is not happening. Do you know if there is a way to do that ? I  
> mean without doing :  
>  
> IF N\_ELEMENTS(arg\_1) EQ 0 THEN BEGIN  
> MESSAGE, 'Incorrect number of arguments', /INFORMATIONAL  
> error=1  
> RETURN  
> ENDIF  
>  
> I also would like to ask for your opinion. I like the output keyword  
> error, is very useful on my programs but I also like the MESSAGEs,  
> they make the program very clear.  
>  
> Thanks for your help,

What about:

PRO TEST, arg\_1, ERROR=error  
error = 0 ; I presume this means "no error"  
CATCH, Error\_Status

```
IF ( Error_Status NE 0 ) THEN BEGIN
    CATCH, /CANCEL
    MESSAGE, !ERROR_STATE.MSG, /CONTINUE
    error = 1
    RETURN
ENDIF
...etc...
```

And then the actual error traps use the NONAME and NOPRINT switches to MESSAGE:

```
IF (N_ELEMENTS(arg_1) EQ 0) THEN $
    MESSAGE, 'Incorrect number of arguments', $
    /NONAME, /NOPRINT
```

?

cheers,

paulv

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Subject: Re: combine CATCH and MESSAGE  
Posted by [natha](#) on Tue, 27 Sep 2011 16:20:22 GMT  
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Thank you, that's what I was looking for !

nata

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