Subject: Re: on_ioerror?
Posted by davidf on Wed, 03 Jun 1998 07:00:00 GMT

Dallas Masters (dallas@lanl.gov) writes:

> I'm running read_gif and read_tiff in a loop.
> If an I/O error occurs, I want to print an error message
> and continue going through the loop. Given read_gif
> and read_tiff, how would this be done (I've tried, nothing
> works yet). Thanks.

I just looked at the code for these two routines and both
return to the caller of the program when an error occurs
(ON_ERROR, 2). I should think a simple CATCH in the routine
that called either one of these programs would catch
errors. Then you could proceed in whatever manner seemed
appropriate.

Your code might look like this:

```
  Catch, error
  IF error NE 0 THEN BEGIN
    Print, !Err_String
    CASE loopFlag OF
      1: GOTO, GIF_LOOP
      2: GOTO, TIFF_LOOP
    ENDCASE
  ENDIF

  loopFlag = 1
  GIF_LOOP:
  FOR j=0,n, DO READ_GIF, ....

  loopFlag = 2
  TIFF_LOOP:
  for j=0, n DO READ_TIFF, ...
```

This is pseudo code, of course. :-)

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com

Phone: 970-221-0438
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: on_ioerror?
Posted by davidf on Thu, 04 Jun 1998 07:00:00 GMT

Stein Vidar Hagfors Haugan (steinh@ulrik.uio.no) writes in
reply to one of my more elegant programming efforts:

>> This is pseudo code, of course. :-)
>
> Nope. That was spaghetti, not pseudo.... :-)
> Jumping out of and then back into FOR loops gives me
> goosebumps.

Stein Vidar is right, of course. I was going to forego
the code entirely because I only had 10 minutes before
I had to pick up the kids, but I though, "Nah, piece of
cake."

But then I got shaken by having to do two things in the
same piece of code. Yikes! Since I've become infatuated
with object programming I've become a one-piece-of-code-
for-one-specific-thing kind of a guy. I just completely
forgot how to write that one-size-fits-all type of code.
My humble apologies. :-)

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: on_ioerror?
Posted by steinh on Thu, 04 Jun 1998 07:00:00 GMT

David Fanning wrote:

> This is pseudo code, of course. :-)

Nope. That was spaghetti, not pseudo.... :-)
Jumping out of and then back into FOR loops gives me
goosebumps.

```
   FOR j=0,n DO BEGIN
     catch,error
     IF error NE 0 THEN BEGIN
       print,!Err_String
       goto,CONTINUE_GIF
     ENDIF

     read_gif,....

CONTINUE_GIF:
   ENDFOR
   catch,/cancel ;; A matter of purity..


   FOR j=0,n DO BEGIN
     catch,error
     IF error NE 0 THEN BEGIN
       print,!Err_String
       goto,CONTINUE_TIFF
     ENDIF

     read_tiff,....

CONTINUE_TIFF:
   ENDFOR
   catch,/cancel ;; A matter of purity..
```

Regards,

Stein Vidar