Subject: Re: Hoping ON_IOERROR would catch errors in IDLs subroutines. Posted by Michael Galloy on Tue, 03 Feb 2009 23:40:09 GMT

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```
M. Katz wrote:
```

- > I'm trying to understand why ON_IOERROR doesn't catch an error that
- > occurs with writing an image to the disk. Here's an example where I
- > attempt to write an image to an intentionally nonexistent folder (see
- > below).

>

- > When I run the program it breaks at WRITE_PNG instead of jumping down
- > to BAD_IO. However, if I change the WRITE_PNG to an OPENW, then it
- > catches the error and redirects the flow the BAD IO.

IDL must not be considering errors in WRITE_PNG "IO errors".

- > What is the proper protocol to catch file errors in routines that IDL
- > provides, and handle them in the parent procedure?

In general, CATCH catches errors in user or system routines. Try:

```
catch, error
if (error ne 0L) then begin
    catch, /cancel
    print, 'i caught the error!'
    return
    endif

nonexistent_folder = '/pink/elephant/'
    write_png, nonexistent_folder+'x.png', [[0b,1b],[1b,0b]]
    print, 'All is well.'
end
```

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Subject: Re: Hoping ON_IOERROR would catch errors in IDLs subroutines. Posted by David Fanning on Wed, 04 Feb 2009 03:49:55 GMT View Forum Message <> Reply to Message

M. Katz writes:

- > I'm trying to understand why ON_IOERROR doesn't catch an error that
- > occurs with writing an image to the disk. Here's an example where I
- > attempt to write an image to an intentionally nonexistent folder (see
- > below).

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- > When I run the program it breaks at WRITE_PNG instead of jumping down
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- > catches the error and redirects the flow the BAD_IO.

- > What is the proper protocol to catch file errors in routines that IDL
- > provides, and handle them in the parent procedure?

I pretty much handle everything with CATCH. I've never had a problem with it.

Cheers,

David

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")