
Subject: Re: error handling

Posted by [bulrushmower](#) on Mon, 10 Nov 2008 17:54:36 GMT

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On Nov 10, 11:23 am, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

> bulrushmo...@gmail.com schrieb:

>

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>> On Nov 10, 7:38 am, David Fanning <n...@dfanning.com> wrote:

>>> Spon writes:

>>>> bulrushmo...@gmail.com writes:

>>>> > How can I set up that when error happens, IDL output the error message

>>>> > to log file, then ignore that step continue to process next data?.

>>>> Something like this:

>>>> OpenW, lun, 'logfile.out', /GET_LUN

>>>> FOR j=0,n DO BEGIN

>>>> Catch, theError

>>>> IF theError NE 0 THEN BEGIN

>>>> PrintF, lun, 'Problem with processing step ' + StrTrim(j)

>>>> CONTINUE

>>>> ENDIF

>>>> DoSomeProcessing, data[j]

>>>> ENDFOR

>>>> Catch, /Cancel

>>>> Free_Lun, lun

>>>> Excuse my ignorance on this, but wouldn't you need to stick your

>>>> "Catch, /Cancel" INSIDE the for loop?

>>>> If not, why not?

>>> There is no requirement for when you cancel a CATCH, except

>>> you should cancel it when you are finished with it. While CATCH

>>> is in effect, any error is re-routed to the first line after

>>> the CATCH statement. When cancelled, any error is routed

>>> to the ON_ERROR condition in effect for that program

>>> module. In a real code example, rather than cancelling

>>> the CATCH there, I would probably have had another CATCH

>>> statement to replace the one I was using for the process

>>> loop.

>

>>> Cheers,

>

>>> David

>>> --

>>> David Fanning, Ph.D.

>>> Fanning Software Consulting, Inc.

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

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>>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")- Hide quoted text -
>
>>> - Show quoted text -
>
>> The problem is even I use these statements, program still halted when
>> encounter a bad data.
>> Should I place the Catch, /cancel inside the loop.
>> Another issue, should I state the Catch, the error right after the
>> beginning the loop, or after the image processing, end of the loop?
>
>> thanks
>
> If you can show your source, e.g. use a pastebin
> we usually can better help
>
> cheers
> Reimar- Hide quoted text -
>
> - Show quoted text -

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Here is my source code. I am using MCTK tool to convert MODIS HDF data. The data processing is just converting the projection. It always runst for nearly a hundred data, then stops, saying 'can not attach the grid file...etc'. I would like to have the code right down the error in the log file, and then continue the loop for the next data. Thanks

```

Pro convert_test
out_path = 'define the path here'
in_path = 'define the path here'
envi, /restore_base_save_files
envi_batch_init, BATCH_LUN=batch_unit, log_file = out_path +
modisdata.txt'
files = file_search(in_path, '*.HDF', count=count)
FOR i = 0, count-1 do begin
    CATCH, Error_status
    IF Error_status NE 0 THEN BEGIN
        printF, batch_unit, 'Error index: ', Error_status
        printF, batch_unit, 'Error message: ', !ERROR_STATE.MSG
        PrintF, batch_unit, 'Problem with processing step ',
files[K]
        CONTINUE
        Catch, /Cancel
    ENDIF
    modis_grid_file = files[i]
    variable = variable
.....

```

```
convert_modis_data, variable=variable,...
```

```
ENDFOR
```

```
end
```
