
Subject: CATCH error problem

Posted by lbusett@yahoo.it on Wed, 08 Apr 2009 14:56:35 GMT

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Hi all,

I'm writing a program to download satellite images from an ftp site using the IDLnetUrl "GET" method. I'd like to be able to check any ftp errors in file transfer and, if an error occurs, I'd like to be able to tell to the program to wait some time, re-establish the connection and try again to download the file for a fixed number of times (e.g., 5 times). If data transfer failes for more than this number of times, I want to abort the program.

The code that I'm using at the time is the following:

```
count_retry = 0           ; Initialize the counter
CATCH, theError

IF theError NE 0 THEN BEGIN
  CATCH, /CANCEL
  count_retry = count_retry + 1       ; Error Occurred:
Increase the counter

  IF (count_retry LE 5) THEN BEGIN   ; If counter < 5 wait some
time, then go to "retry"
                                     ; and
try to download again
  OBJ_DESTROY, oURL
  some_time = 3
  WAIT, some_time
  GOTO, retry

ENDIF ELSE BEGIN   ; If failed more than 5 times, exit

  OBJ_DESTROY, oURL
  ok = ERROR_MESSAGE(/Traceback,/Quiet)
  RETURN,['FileGetErr',theError]

ENDELSE
ENDIF

retry:
; Define URL of the target FTP file
targetUrl = 'orders/'+ftp_dir+'/'+file_name

; Initialize IDLnetUrl Object
oUrl = OBJ_NEW('IDLnetUrl', URL_SCHEME='ftp', $
```

```
FTP_CONNECTION_MODE = 0, $      ; Passive connection
URL_HOST= ftp_url, $
URL_USERNAME=ftp_uname, $
URL_PASSWORD=ftp_pwd, $
URL_PATH=targetUrl, $
CALLBACK_FUNCTION ='MPM_PP_GETFILE_CALLBACK',/verbose $
)
out_name = out_dir+file_name
out_file = oURL->GET(FILENAME=out_name)
OBJ_DESTROY, oURL
RETURN, out_file
```

The first time that an error in data transfer occurs, the "catch" procedure kicks in correctly, the counter is incremented and another attempt is made. However, if another data transfer error occurs the CATCH procedure does not kick in any more, and the program exits with an error.

Does anyone know why is it happening ? Is there a "smarter" way to do the job ?

Thanks in advance for the help,

Lorenzo
