
Subject: problems fetching data via the internet (socket)
Posted by [nunoragil](#) on Thu, 18 Nov 2004 15:49:34 GMT
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Dear listers,

I've written the below piece of IDL code to connect to a remote server and fetch some data (images in this case).

The problem that I'm having with it is that the requests I'm testing (the first and second ones) work if I copy and paste them directly to a browser. Within the script, they manage to create a dtm.tif file with 1kb only.

Why is this happening? Why does the requests work in a browser but do not work in the script?

The third request works both in the script and in the browser...

Any help would be much appreciated.

Regards,
Nuno

pro test

```
; getRequest='GET iced.s.ge.ucl.ac.uk/cgi-bin/wcs?REQUEST=GetCoverage&COVER
AGE=srtm&SERVICE=WCS&'+
$
; 'map=wcs_srtm.map&BBOX=43.9,-18.9,44.4,-18.4'+ $
; '&FORMAT=GEOTIFF&CRS=EPSG:4326&RESX=0.00083333&a mp;RESY=0.00083333'
```

```
getRequest='GET iced.s.ge.ucl.ac.uk/cgi-bin/wcs?REQUEST=GetCoverage&COVER
AGE=l5&'+$
'SERVICE=WCS&map=wcs_land1.map&BBOX=43.9,-18.9,44.4, -18.4&'+$
'FORMAT=GEOTIFF&CRS=EPSG:4326&RESX=0.00027778&RE SY=0.00027778'
```

```
; getRequest='GET http://iced.s.ge.ucl.ac.uk:8080/deegree/wcs?service=WCS&r
equest=GetCoverage&version=1.0.0&Layer=DD_madab3'+
$
; '&SRS=EPSG:4326&BBOX=43.9,-18.9,44.4,-18.4&Width =800&Height=800'+ $
; '&Format=tif'
```

```
; Establishes the connection port, change with above request
port=80
```

```
; Establishes the connection with the server
SOCKET, unit, 'iced.s.ge.ucl.ac.uk', port, /GET_LUN, ERR=err
```

```
IF err NE 0 THEN BEGIN
  print,'SOCKET error ...'
ENDIF ELSE BEGIN
  print,'SOCKET OK ...'
ENDELSE
```

```
; Sends the request to the server
PRINTF, unit, getRequest

; Creates a file for writing
OPENW,img, 'c:\dtm.tif', /GET
byte_in = 0B
; Reads the data from the server and writes it to a temporary file on
the hard disk
; This is done Byte by Byte
WHILE EOF(unit) EQ 0 DO BEGIN
    READU, unit, byte_in
    WRITEU,img,byte_in
ENDWHILE
print, 'done'
; Deallocates file units and closes all files
FREE_LUN, unit, img
CLOSE, /ALL
end
```
