
Subject: Get directory list from HTTP Server
Posted by [corinnefrey](#) on Mon, 17 Jun 2013 13:54:44 GMT
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Hi all,

I was using an IDL script for batch-downloading MODIS satellite data. Unfortunately thFTP is not supported anymore. Only HTTP is supported.

So I have to modify my script. The OBJ_NEW and the GET function should also work for HTTP, however, what do I use in replacement for GetFTPDirList? I need to get the directory list, as I just need selected scenes.

Cheers,
Corinne

Below the script that needs to be modified:

PRO download_modis_http

```
targetDir = 'MOLT/MOD11A1.005'
```

```
oUrl = OBJ_NEW('IDLnetUrl', URL_SCHEME='HTTP', $  
  URL_HOST='e4ftl01.cr.usgs.gov', $  
  URL_USERNAME='anonymous', URL_PASSWORD='my email', $  
  URL_PATH=targetDir)
```

```
dirArray = oURL->GetFTPDirList()  
dirArray = dirArray[1:N_ELEMENTS(dirArray)-1]
```

```
dirArray = STRMID(dirArray,37,10)
```

```
year = FIX(STRMID(dirArray, 0,4))  
month = FIX(STRMID(dirArray, 5,2))  
valid = WHERE(year EQ 2012 AND month GE 10)  
dirArray = dirArray[valid]
```

```
FOR i = 0,N_ELEMENTS(dirArray)-1 DO BEGIN
```

```
  oURL->SetProperty, URL_PATH=targetDir+'/'+dirArray[i]  
  fileArray = oURL->GetFTPDirList()
```

```
  IF fileArray[0] EQ 'total 0' THEN BEGIN  
    ;dont do anything, this file is missing on the ftp server  
    stop  
  ENDIF ELSE BEGIN  
    fileArray = fileArray[1:N_ELEMENTS(fileArray)-1]
```

```
;Exclude all jpgs from the list
jpg = STRPOS(fileArray, 'jpg') EQ -1
valid = WHERE(jpg EQ 1)
```

```
;Make a list with all hdf files
hdf = STRPOS(fileArray, 'hdf.xml') NE - 1
valid = WHERE(hdf EQ 1)
fileArray = fileArray[valid]
fileArray = STRMID(fileArray,38,45)
```

```
FOR j = 0, N_ELEMENTS(fileArray)-1 DO BEGIN
  oURL->SetProperty, URL_PATH=targetDir+'/'+dirArray[i]+'/' +fileArray[j]
```

```
  tile = STRMID(fileArray[j],17, 6)
  year = STRMID(fileArray[j],9, 4)
```

```
  IF tile EQ 'h25v05' OR tile EQ 'h26v05' OR tile EQ 'h26v06' OR tile EQ 'h27v06' OR tile EQ
'h27v07' OR tile EQ 'h28v07' OR tile EQ 'h28v08' THEN BEGIN
```

```
    downloadPath = filepath(fileArray[j], ROOT_DIR='d:/CMF/Mekong
Data/MODIS/MOD11A1v5/'+tile+'/' +year)
    print, oURL->Get(FILENAME=downloadPath)
  ENDIF
ENDFOR
ENDELSE
ENDFOR
END
```

Subject: Re: Get directory list from HTTP Server
Posted by [Phillip Bitzer](#) on Mon, 17 Jun 2013 14:30:58 GMT
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I think this should help you:

```
dirArray = oUrl->GET(/STRING_ARRAY)
```

You'll have to extract a different portion of "dirArray" though...

Subject: Re: Get directory list from HTTP Server
Posted by [corinnefrey](#) on Mon, 17 Jun 2013 14:41:40 GMT
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Thanks Phillip, this helps a lot :)