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Subject: Re: Download files from the web

Posted by [Helder Marchetto](#) on Mon, 16 Dec 2013 13:41:08 GMT

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On Monday, December 16, 2013 2:32:36 PM UTC+1, Mats Löfdahl wrote:

> Den måndagen den 16:e december 2013 kl. 13:47:14 UTC+1 skrev Helder:

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>> On Monday, December 16, 2013 1:37:11 PM UTC+1, Mats Löfdahl wrote:

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>>> I need to make an idl program download a couple of text files from the web. I found the webget() function from astrolib, now also distributed with idl, see

<http://www.exelisvis.com/docs/webget.html>

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>>> My problem with that is that I don't know if the download succeeded. If I give a non-existing URL, I get the 404 error page downloaded and everything looks fine. If I set the COPYFILE keyword to some local file name, the file gets stored there and instead of the file contents, the return value is a scalar long. The web page does not say how this number should be interpreted but it seems to be unity whether or not the URL was really valid.

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>> if it helps, i used the IDLnetUrl object and then use the getProperty method to get the
Response_code value. Not sure if it helps, but I have been downloading files successfully with
https. I also use the callback_function to make a progress bar.
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>> Not sure if it helps, but it might be a place to start...
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> Looks promising.
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> So I would create an instance of the class, initialize it, download with the get method, get the
RESPONSE_CODE (anything but zero is a fail?) through the getProperty method, and then
destroy the class instance?

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Hi Mats,  
here is what I do. Not sure if it solves the problem of a missing file.

```

FUNCTION UrlBigFileGetCallbackStatus, status, progress, oProgressbar
  IF progress[0] THEN oProgressbar->Update, 100.0*progress[2]/progress[1]
  print, 'Check for update: '+status
  return, 1
END

```

```

PRO TEST_Download
CurrDir = 'E:\MySoftware\'
oProgressbar = Obj_New('cgprogressbar', TITLE='Downloading FileName.sav...')
oUrl = OBJ_NEW('IDLnetUrl', URL_SCHEME = 'http', URL_HOSTNAME =
'www.#####/FileName.sav', URL_USERNAME = 'user', URL_PASSWORD = 'pwd',
CALLBACK_FUNCTION = 'UrlBigFileGetCallbackStatus', CALLBACK_DATA=oProgressbar)
VersionFileName = CurrDir+'FileName.sav'
oProgressbar->Start
retrievedFilePath = oUrl->Get(FILENAME=VersionFileName)
oUrl->GetProperty, RESPONSE_CODE=RespCode
oUrl->CloseConnections
OBJ_DESTROY, oUrl
oProgressbar->Destroy
END

```

The output I get is the following:  
Check for update: Sending Http Get Request:

Check for update: http://www.####/FileName.sav  
Check for update: Http: get: received (483), total expected (483)  
Check for update: Http: get: received (483), total expected (483)  
Check for update: Http: get: received (1208), total expected (15501460)  
Check for update: Http: get: received (834656), total expected (15501460)  
Check for update: Http: get: received (2173400), total expected (15501460)  
Check for update: Http: get: received (3384368), total expected (15501460)  
Check for update: Http: get: received (4622924), total expected (15501460)  
Check for update: Http: get: received (5867288), total expected (15501460)  
Check for update: Http: get: received (7105844), total expected (15501460)  
Check for update: Http: get: received (8354564), total expected (15501460)  
Check for update: Http: get: received (9594572), total expected (15501460)  
Check for update: Http: get: received (10831676), total expected (15501460)  
Check for update: Http: get: received (12023768), total expected (15501460)  
Check for update: Http: get: received (13295720), total expected (15501460)  
Check for update: Http: get: received (14551700), total expected (15501460)  
Check for update: Http: get: received (15501460), total expected (15501460)  
Check for update: Http Get response written to:  
Check for update: E:\MySoftware\FileName.sav  
Check for update: Http Get completed.

When I download a big file the progress bar does not update after a few seconds. Any idea why?  
(Actually any widget stops updating...)

Cheers,  
Helder

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