
Subject: using IDLnetURL to get an image from a HTTP URL into IDL

Posted by [Puneeth Shankar](#) on Mon, 06 Jul 2015 08:01:36 GMT

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I was hoping for some help on ways to get an image(say a screen shot of google maps) from a URL and save it onto the hard disk.

Currently I'm able to :

1)Save the entire http code of a URL to disk(if I want to)

2)Save an image from "URLs' that straightly lead to images" for ex: (

<http://d335hnnegk3szv.cloudfront.net/wp-content/uploads/site s/501/2014/11/Balloons21.jpg>)

Note: Using the below snippet will give you an idea of what i have achieved so far:

```
Url = ' http://chart.apis.google.com/chart?chs=200x100&cht=p& ;chd=t:10,20,30'
```

```
ourl = obj_new('IDLnetURL')
```

```
png = ourl->get(filename='E:\temp\gchart.png', url=url)
```

```
obj_destroy, ourl
```

```
im = read_png('gchart.png')
```

```
window, xsize=200, ysize=100
```

```
tv, im, true=1
```

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL

Posted by [Helder Marchetto](#) on Mon, 06 Jul 2015 08:27:35 GMT

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On Monday, July 6, 2015 at 10:01:40 AM UTC+2, Puneeth Shankar wrote:

> I was hoping for some help on ways to get an image(say a screen shot of google maps) from a URL and save it onto the hard disk.

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> png = ourl->get(filename='E:\temp\gchart.png', url=url)

> obj_destroy, ourl

> im = read_png('gchart.png')

> window, xsize=200, ysize=100

> tv, im, true=1

Hi,

I don't understand your question. What was the question again?

If you want to display and save the image AND you have idl version 8.xx then

I would use the following lines:

```
i = image(im, dimensions=[200,100], margin=0, /no_toolbar)
```

i.save, 'gchart.jpg', width=200

The save method allows saving in lots of formats, see
http://www.exelisvis.com/docs/save_method.html

The thing is, you already have a save image, so I don't think that this is what you're looking for.

If you're trying to get images from google maps, you should have a look at David's article:
http://www.idlcoyote.com/map_tips/googlemap.php
(for this, and many other applications, you will need David's Coyote library)

I hope this helps (but I doubt it).

Cheers, Helder

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Mon, 06 Jul 2015 19:19:38 GMT

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Hi Helder,

Re. "IDLnetURL" as shown in the snippet above, my concern is to get an image from a remote server using a URL. I'm half way through actually. Meaning that I can now download and store an image from only such URLs; which upon opening via a browser, one can notice that it will contain only an image(no associated text/paragraphs etc).

Here's my requirement: I'm hoping to download only images from normal URLs that contain both text and images.Let me know your thoughts on this. I appreciate your time and patience.Thanks for replying :)

Kind Regards,
PUNEETH
puneeth89@gmail.com

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Michael Galloy](#) on Mon, 06 Jul 2015 21:53:55 GMT

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On 7/6/15 1:19 PM, Puneeth Shankar wrote:

> Hi Helder, Re. "IDLnetURL" as shown in the snippet above, my concern
> is to get an image from a remote server using a URL. I'm half way
> through actually. Meaning that I can now download and store an image
> from only such URLs; which upon opening via a browser, one can notice
> that it will contain only an image(no associated text/paragraphs
> etc). Here's my requirement: I'm hoping to download only images from
> normal URLs that contain both text and images.Let me know your
> thoughts on this. I appreciate your time and patience.Thanks for

> replying :)
>
> Kind Regards, PUNEETH puneeth89@gmail.com
>

I'm not entirely sure of your question, but my guess is that you are trying to do something like what a web browser does? i.e. download an .html file which has URL references to various image files?

If that is correct, then you need to make multiple requests via IDLnetURL. Get the .html file via IDLnetURL, parse the HTML file to find the img tags, and then download the associated images.

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL

Posted by [Craig Markwardt](#) on Tue, 07 Jul 2015 00:43:03 GMT

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On Monday, July 6, 2015 at 3:19:41 PM UTC-4, Puneeth Shankar wrote:

> Hi Helder,
> Re. "IDLnetURL" as shown in the snippet above, my concern is to get an image from a remote server using a URL. I'm half way through actually. Meaning that I can now download and store an image from only such URLs; which upon opening via a browser, one can notice that it will contain only an image(no associated text/paragraphs etc).
> Here's my requirement: I'm hoping to download only images from normal URLs that contain both text and images. Let me know your thoughts on this. I appreciate your time and patience. Thanks for replying :)

IDL is not the best tool for this. "Normal URLs" as you call them, are links to full HTML pages. HTML can be very complicated and IDL cannot parse them without difficulty.

Wget is a better option because it is able to parse static HTML pages and download all of the linked images.

Wget probably will not handle something like Google Maps because map tiles are loaded dynamically within the browser using Javascript. I personally think your best bet is to run a virtual machine or virtual display, and run a browser within that virtual environment which you remotely control. It won't be easy, but can be done by an experienced developer.

You could also hire someone to make screenshots for you. :-)

CM

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Tue, 07 Jul 2015 09:49:38 GMT
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Thanks Mike! I'm looking to download the top right corner image,a map that is ! (refer below url)
<https://www.dropbox.com/s/q1ow2rh08ortoby/DM.PNG?dl=0>

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Helder Marchetto](#) on Tue, 07 Jul 2015 10:08:32 GMT
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On Tuesday, July 7, 2015 at 11:49:39 AM UTC+2, Puneeth Shankar wrote:
> Thanks Mike! I'm looking to download the top right corner image,a map that is ! (refer below url)
<https://www.dropbox.com/s/q1ow2rh08ortoby/DM.PNG?dl=0>

Looking at Michael and Craig's suggestions, you can do two things:
1) download the html and look inside for the reference to the image. All browsers allow you to have a look at the html (source). To do this in chrome simply click ctrl-u and a new page will open. In html (this might not be the case), images are tagged with "<img". Read any html tutorial for more info. Parse the html file as Michael said to locate the image and maybe you'll be lucky. It could be that the image is "hidden" in the code...

2) Craig suggested using wget. If you're on linux, that should not be a problem, but if you're on windows you can look for a wget for windows (google that and you'll find some free solutions). From idl you can use the spawn command to interact with the shell and launch wget and retrieve the images.

Good luck!
Helder

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Michael Galloy](#) on Tue, 07 Jul 2015 16:33:31 GMT
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On 7/7/15 3:49 AM, Puneeth Shankar wrote:
> Thanks Mike! I'm looking to download the top right corner image,a map
> that is ! (refer below url)
> <https://www.dropbox.com/s/q1ow2rh08ortoby/DM.PNG?dl=0>
>

This quickly gets beyond the scope of what you want to do. That slippy map is powered by Javascript which is making its own calls to get the map tiles it is displaying.

Mike
--

Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Wed, 08 Jul 2015 05:47:53 GMT
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Hi Mike and Helder,

I have access to the ortho images,also there's Google static maps.Is the same feasible in IDL? If you can give me a breakup of the associated tasks, It will really give me a sense if i'm heading the right way.Thanks for your time :)

Regards,
Puneeth

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Helder Marchetto](#) on Wed, 08 Jul 2015 07:37:40 GMT
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On Wednesday, July 8, 2015 at 7:47:57 AM UTC+2, Puneeth Shankar wrote:

> Hi Mike and Helder,

> I have access to the ortho images,also there's Google static maps.Is the same feasible in IDL? If you can give me a breakup of the associated tasks, It will really give me a sense if i'm heading the right way.Thanks for your time :)

>

> Regards,

> Puneeth

Did you look at this:

http://www.idlcoyote.com/map_tips/googlemap.php

Cheers,
Helder

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Wed, 08 Jul 2015 18:21:33 GMT
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I did write something close to it.Using Geographic corners from the metadata, I make IDL pick Google static maps via URLs which I designed to highlight the Geographic Extent using polyline & Fluorescent fill. I initially didn't know how to deal with objects.Thanks to Michael Galloy for awesome examples from his book.Thanks to all you guys for helping me out.

<https://maps.googleapis.com/maps/api/staticmap?zoom=14&size=300x300&maptype=terrain&scale=1&path=color:0x0000ff|weight:2|fillcolor:0xFFFF0033|41.40294444,-82.39942778|41.40294444,-82.39476389|41.39868056,-82.39476389|41.39868056,-82.39942778|41.40294444,-82.39942778>

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Tue, 21 Jul 2015 10:37:29 GMT
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Hi Mike,

Would you happen to know how to grab corner lat longs from a geotiff image?
Currently, I'm able to get just one such point from the tiff structure "MODELTIEPOINTTAG".

Ex: print,tiff_tags.MODELTIEPOINTTAG

```
0.00000000 0.00000000 0.00000000 -82.399429 41.402946 0.00000000
```

These lat-longs are essential for google static maps to draw a bounding box over the 250x250 map headlessly.

Regards,
Puneeth

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Michael Galloy](#) on Tue, 21 Jul 2015 21:20:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 7/21/15 4:37 AM, Puneeth Shankar wrote:

> Hi Mike,

> Would you happen to know how to grab corner lat longs from a geotiff image?

> Currently, I'm able to get just one such point from the tiff structure "MODELTIEPOINTTAG".

> Ex: print,tiff_tags.MODELTIEPOINTTAG

```
> 0.00000000 0.00000000 0.00000000 -82.399429 41.402946 0.00000000
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> These lat-longs are essential for google static maps to draw a bounding box over the 250x250 map headlessly.

>

> Regards,

> Puneeth

>

Checkout this page:

<http://www.remotesensing.org/geotiff/spec/geotiff2.6.html>

If you only have a single tie point, I think it is indicating that it is

a simple affine transformation. Use the ModelPixelScaleTag to determine the other corner.

--

Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [Puneeth Shankar](#) on Wed, 22 Jul 2015 18:29:53 GMT
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Thanks for your time on this Mike.

Subject: Re: using IDLnetURL to get an image from a HTTP URL into IDL
Posted by [lakshmi prasanna](#) on Wed, 09 Sep 2015 05:59:22 GMT
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Hai Mike

I am lakshmi, i am trying to write a program for crop area acreage estimation of certain area is it possible to implement code using idl.

i am very new to idl programming, if your having any materials regarding idl programming please share it to me

regards,
T.Lakshmi Prasanna.
