
Subject: Help with IDLnetURL

Posted by [Matthew Argall](#) on Sun, 14 Jul 2013 15:05:51 GMT

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All,

I am trying to use the IDLnetURL class to retrieve data from an HTTP site. The documentation on the host says it will return either a Zip file containing the data or a Text file named CAA_Error.log.x, depending on whether an error occurred or not. The problem is that IDL changes the filename of the saved file to 'idl.dat', or to whatever I specify with the FILENAME keyword. Is there any way to determine which file type has been retrieved and to name it accordingly?

The scheme they give is this:

```
url = ' http://caa.estec.esa.int/caa_query/?key1=value1&key2=val ue2&...'
```

So, what I am doing is:

```
oURL = Obj_New('IDLnetURL')
oURL -> SetProperty, URL_SCHEME='http', URL_HOST='caa.estec.esa.int'
```

[Widget to get input from user (i.e. username, password, etc.)]

```
oURL -> SetProperty, URL_PATH='caa_query/?key1=value1&key2=value2&...'
```

```
fname_returned = oURL -> Get()
```

Subject: Re: Help with IDLnetURL

Posted by [Rob Klooster](#) on Wed, 17 Jul 2013 14:58:19 GMT

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Op zondag 14 juli 2013 17:05:51 UTC+2 schreef Matthew Argall het volgende:

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>

>

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>
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```

You could save a temporary copy, read in the first couple of bytes from the file and compare it to the magic number for ZIP files (see <http://www.digitalpreservation.gov/formats/fdd/fdd000354.shtml> under file signatures)

```
bytes = bytarr(4)
openr, lun, filename, /get_lun
readu, lun, bytes
free_lun, lun
```

If the bytes array is equal to [80b,75b,1b,2b], [80b,75b,3b,4b], [80b,75b,5b,6b] or [80b,75b,7b,8b] then it is a ZIP file, otherwise it is probably the plain text file.

Subject: Re: Help with IDLnetURL
Posted by [andrew.p.walsh](#) on Wed, 17 Jul 2013 15:36:48 GMT
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From what I remember the CAA sends the filename as part of the response header, which you can get like this:

```
oURL -> GetProperty, response_header = header
```

where 'header' will just be a string that you can then search for the filename.

Subject: Re: Help with IDLnetURL

Posted by [andrew.p.walsh](#) on Wed, 17 Jul 2013 15:39:24 GMT

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Oh, and I forgot to say to call the above after the oURL -> Get(), so you'd still need to use a temporary file name in the Get().

On Wednesday, July 17, 2013 5:36:48 PM UTC+2, andrew....@gmail.com wrote:

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>

>

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Subject: Re: Help with IDLnetURL

Posted by [Matthew Argall](#) on Fri, 19 Jul 2013 23:26:26 GMT

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Thanks a lot! I will try this.
