
Subject: idlneturl question

Posted by [Dae-Kyu Shin](#) on Wed, 04 Mar 2015 05:07:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

hi

can i get last modified time of ftp file using idlneturl object ?

for example in ubuntu

```
$ ftp spdf.gsfc.nasa.gov
```

```
Name : anonymous
```

```
ftp> cd pub/data/omni/omni_cdaweb/hro_5min/1981
```

```
ftp> modtime omni_hro_5min_19811201_v01.cdf
```

then i can see this information

```
"omni_hro_5min_19811201_v01.cdf 02/17/2014 07:39:28 GMT"
```

can i get this information using 'idlneturl' or another procedure??

thanks

Subject: Re: idlneturl question

Posted by [Matthew Argall](#) on Wed, 04 Mar 2015 11:45:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have not found a way to look at file information using IDLnetURL without downloading the file first. With IDLnetURL, you have to perform a Get, then look at the response header. Below is an example of how to get the response header.

```
IDL> oURL = IDLnetURL()
```

```
% Loaded DLM: URL.
```

```
IDL> info = oURL -> Get(URL='ftp://spdf.gsfc.nasa.gov/pub/data/omni/omni_cdaweb/hro_5min/1981/omni_hro_5min_19811201_v01.cdf')
```

```
IDL> oURL -> GetProperty, RESPONSE_HEADER=rh
```

```
IDL> print, rh
```

```
220-WARNING! This is a U.S. Government Computer
```

```
This U.S. Government computer is for authorized users only.
```

```
By accessing this system, you are consenting to complete monitoring with no expectation of privacy.
```

```
Unauthorized access or use may subject you to disciplinary action and criminal prosecution.
```

```
220 Welcome to our FTP Server
```

```
331 Anonymous login ok, send your complete email address as your password
```

```
230 Anonymous access granted, restrictions apply
```

```
257 "/" is the current directory
```

```
250 CWD command successful
```

250 CWD command successful
250 CWD command successful
250 CWD command successful
250 CWD command successful
250 CWD command successful
200 EPRT command successful
200 Type set to I
213 2128388
150 Opening BINARY mode data connection for omni_hro_5min_19811201_v01.cdf (2128388 bytes)
226 Transfer complete

Well, that was interesting...

Apparently NASA will not give you a meaningful response header. This is how I normally do it, though. There should be a "Last-Modified" field that you can look for to parse the information you want.

```
IDL> file = oURL -> Get(URL=' http://emfisis.physics.uiowa.edu/Flight/RBSP-A/L3/2013/02/02/rbsp-a_magnetometer_4sec-geo_emfisis-L3_20130202_v1.3.2.cdf')  
IDL> ourl -> GetProperty, RESPONSE_HEADER=rh
```

```
IDL> print, rh
```

```
HTTP/1.1 200 OK  
Date: Wed, 04 Mar 2015 11:44:03 GMT  
Server: Apache/2.2.22 (Ubuntu)  
Last-Modified: Thu, 29 Jan 2015 21:26:19 GMT  
ETag: "53c077a-f7fa2-50dd123904e55"  
Accept-Ranges: bytes  
Content-Length: 1015714  
Content-Type: application/x-cdf
```

Subject: Re: idlneturl question
Posted by [Dominic\[2\]](#) on Thu, 12 Mar 2015 21:17:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,

There is a way to read the response without downloading entire file. It involves interrupting the IDLnetURL GET request and returning after reading the response header. For example,

```
IDL> file=' http://emfisis.physics.uiowa.edu/Flight/RBSP-A/L3/2013/02/02/rbsp-a_magnetometer_4sec-geo_emfisis-L3_20130202_v1.3.2.cdf'
```

IDL> header=webhead(file)

IDL> print,header

HTTP/1.1 200 OK

Date: Thu, 12 Mar 2015 21:12:22 GMT

Server: Apache/2.2.22 (Ubuntu)

Last-Modified: Thu, 29 Jan 2015 21:26:19 GMT

ETag: "53c077a-f7fa2-50dd123904e55"

Accept-Ranges: bytes

Content-Length: 1015714

Content-Type: application/x-cdf

Check out: <http://www.heliodocs.com/wordpress/?p=1>

where you can download webhead.pro. I have had some success using it with FTP URL's.

Dominic

Subject: Re: idlneturl question

Posted by [Matthew Argall](#) on Sat, 14 Mar 2015 12:48:23 GMT

[View Forum Message](#) <> [Reply to Message](#)

> There is a way to read the response without downloading entire file. It involves interrupting the IDLnetURL GET request and returning after reading the response header.

This is great! Thanks for sharing!
