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Subject: Re: web/ftp access in IDL (and in VM)  
Posted by [Randall Skelton](#) on Fri, 13 Aug 2004 17:37:47 GMT  
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Hi Bob,

You may want to think about using an SQL database and the RSI dataminer. The dataminer was too expensive for me so I wrote a dlm that mimics the PostgreSQL libpq functions (\*nix only at this point). It works very well as I can quickly access data from IDL on my laptop anywhere that I have an internet connection. Moreover, the ability to use SQL to filter 5TB of data into only the interesting bits is very useful.

If anyone is interested in the libpq dlm, don't hesitate to send me an e-mail. My apologies, in advance, to windows and/or mySQL users.

Cheers,  
Randall

On Fri, 13 Aug 2004, R.G. Stockwell wrote:

> Hello all,  
> I have not used any internet connectivity features of IDL,  
> but a current project may make use of this.  
>  
> So, has anyone used IDL to open (as a client) some type of connection to  
> a server, and list files, download selected files, etc? Any problems that  
> you've run into, is this a viable solution to accessing data remotely?  
> I could just put a directory listing on a web page, but I like the idea of  
> a data analyzing widget that the user could run, to create figures, do simple  
> processing, etc.  
>  
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> What protocols are available ftp, http, sftp, scp?  
>  
> Can this be done in a gui running in the virtual machine?  
>  
>  
> Cheers,  
> bob  
>  
>  
>  
>  
>

Subject: Re: web/ftp access in IDL (and in VM)  
Posted by [R.G. Stockwell](#) on Fri, 13 Aug 2004 19:40:23 GMT  
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"Randall Skelton" <myxxlastxxname@uwaterloo.canada> wrote in message  
news:Pine.GSO.4.10.10408131322420.26171-100000@brutus.uwaterloo.ca...

> Hi Bob,  
>  
> You may want to think about using an SQL database and the RSI dataminer.  
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> data into only the interesting bits is very useful.  
>  
> If anyone is interested in the libpq dlm, don't hesitate to send me an  
> e-mail. My apologies, in advance, to windows and/or mySQL users.  
>  
> Cheers,  
> Randall

Thanks for the comments Randall. I'll look into this. My situation is  
slightly different in that the user won't necessarily have IDL, so I was  
thinking about perhaps putting it in a Virtual Machine application.

Cheers,  
bob

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Subject: Re: web/ftp access in IDL (and in VM)  
Posted by [andrew.cool](#) on Tue, 17 Aug 2004 01:06:08 GMT  
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"R.G. Stockwell" <noemail@please.com> wrote in message  
news:<kC6Tc.373\$7A1.21311@news.uswest.net>...

> Hello all,  
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> but a current project may make use of this.  
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> What protocols are available ftp, http, sftp, scp?

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> Can this be done in a gui running in the virtual machine?  
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>  
> Cheers,  
> bob

Hi Bob,

You can certainly use Sockets to ftp data from a remote site.  
I've done this to read Topex data from  
ftp://podaac.jpl.nasa.gov/pub/sea\_surface\_height/topex\_posei don/mgdrb/data/

The GUI shows the remote Topex dirs, the files in a selected remote Topex dir,  
the Local Topex dirs, and the files in a selected local Topex dir, and  
ftp downloads of a dir of Topex files occur at the click of a button.

It should run just fine under the IDL VM.

Let me know if you'd like to see the code.

And for anyone who knows me, Shock! Horror! it's even got some objects in it :-)

Andrew

andrew.cool@dsto.defence.gov.symbol\_for\_(Olympic)\_gold

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Subject: Re: web/ftp access in IDL (and in VM)  
Posted by [David Fanning](#) on Tue, 17 Aug 2004 02:17:12 GMT  
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Andrew Cool writes:

> You can certainly use Sockets to ftp data from a remote site.  
> I've done this to read Topex data from  
> ftp://podaac.jpl.nasa.gov/pub/sea\_surface\_height/topex\_posei don/mgdrb/data/  
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> the Local Topex dirs, and the files in a selected local Topex dir, and  
> ftp downloads of a dir of Topex files occur at the click of a button.  
>  
> It should run just fine under the IDL VM.  
>  
> Let me know if you'd like to see the code.  
>  
> And for anyone who knows me, Shock! Horror! it's even got some objects in it :-)

Ok, I just watched Ian Thorpe beat a great field for the gold in the 200m, so I'm feeling kindly toward the Aussies. But, objects!? You got to be kidding me. I'd like a little peek at this socket dodah you have there, Andrew. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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Subject: Re: web/ftp access in IDL (and in VM)

Posted by [Mark Hadfield](#) on Tue, 17 Aug 2004 05:23:52 GMT

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David Fanning wrote:

> Ok, I just watched Ian Thorpe beat a great field for the  
> gold in the 200m, so I'm feeling kindly toward the Aussies.

That's funny, watching Aussies win has the opposite effect on me.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

[m.hadfield@niwa.co.nz](mailto:m.hadfield@niwa.co.nz)

National Institute for Water and Atmospheric Research (NIWA)

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Subject: Re: web/ftp access in IDL (and in VM)

Posted by [R.G. Stockwell](#) on Tue, 17 Aug 2004 17:25:41 GMT

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"Andrew Cool" <[andrew.cool@dsto.defence.gov.au](mailto:andrew.cool@dsto.defence.gov.au)> wrote in message  
news:c6d70400.0408161706.61fde0d1@posting.google.com...

>> "R.G. Stockwell" <[noemail@please.com](mailto:noemail@please.com)> wrote in message  
news:<kC6Tc.373\$7A1.21311@news.uswest.net>...

>> ...

>

> Hi Bob,

>

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> [ftp://podaac.jpl.nasa.gov/pub/sea\\_surface\\_height/topex\\_poseidon/mgdrb/data/](ftp://podaac.jpl.nasa.gov/pub/sea_surface_height/topex_poseidon/mgdrb/data/)

>

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> Let me know if you'd like to see the code.  
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> And for anyone who knows me, Shock! Horror! it's even got some objects in it :-)  
>  
> Andrew  
>  
> andrew.cool@dsto.defence.gov.symbol\_for\_(Olympic)\_gold

Sure, That'd be great. I'd like to see the code. I'd like to try it a VM as well, so I probably will make the sav file and give that try too.  
my address is "surname" at "co-ra" then the "dot com". Ha! that ought to foil the spambots (not that it really matters of course, since I get about 150 spams a day, so I am sure I already am on every spam list in the world).

Cheers,  
bob

PS re: olympic gold. Being canadian, I of course do not recognize the SUMMER olympics as a real competition. How can you call it a sporting event if there is no hockey???? bah!

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Subject: Re: web/ftp access in IDL (and in VM)  
Posted by [Wayne Landsman](#) on Fri, 20 Aug 2004 00:56:50 GMT  
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> ----- Original Message -----

From: "Andrew Cool" <andrew.cool@dsto.defence.gov.au>

> "R.G. Stockwell" <noemail@please.com> wrote in message  
news:<kC6Tc.373\$7A1.21311@news.uswest.net>...

>>

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ftp://podaac.jpl.nasa.gov/pub/sea\_surface\_height/topex\_poseidon/mgdrb/data/  
>

Besides Andrew Cool's suggestion you can also look at Dominic Zarro's OO  
implementation of IDL sockets at  
<http://orpheus.nascom.nasa.gov/~zarro/idl/sockets.html>

And for simple http access from a Web server you could try my program  
webget.pro at <http://idlastro.gsfc.nasa.gov/ftp/pro/sockets/webget.pro>

--Wayne Landsman

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