
Subject: Re: Running IDL remotely - problems with xwindows
Posted by [David Fanning](#) on Fri, 02 Jan 2009 20:25:23 GMT
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anne writes:

- > I've installed IDL 7.0 on a PC server running 64bit Fedora. This
- > computer has more processing power and memory than any of the local
- > pcs so I want users to be able to login remotely from their own
- > windows PCs using a remote shell and access idl from the server.
- > For access from the windows pcs I tried unsuccessfully to use Exceed
- > and therefore switched to using xming - an open source xserver
- > package. This appeared to be working well - the eclipse desktop could
- > be seen and display windows using direct graphics worked properly. I
- > cannot seem to get object graphics to work properly however. In
- > windows I just get a blank display window when I try to run the
- > Revolution application or the itools applications. I have made sure
- > that rendering is done by software, not hardware but that hasn't
- > helped.
- > Has anyone else come across this problem before?

I haven't seen the problem before, but I have been able to run object graphics programs remotely from my LINUX box running IDL 7 to my Windows machine, running XMING. It is S-L-O-W. I use SSH Secure Shell to log onto my LINUX box. I think the only thing special we did there was turn on Tunnel X11 connections, but you must have this working or you wouldn't see direct graphics windows.

So, don't know, except that it is possible. :-)

Cheers,

David

P.S. Have you tried doing this to a 32-bit machine? I wonder if something about the 64-bit is getting in your way?

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Running IDL remotely - problems with xwindows
Posted by [anne](#) on Fri, 02 Jan 2009 20:38:36 GMT
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On Jan 2, 3:25 pm, David Fanning <n...@dfanning.com> wrote:

> anne writes:

>> I've installed IDL 7.0 on a PC server running 64bit Fedora. This
>> computer has more processing power and memory than any of the local
>> pcs so I want users to be able to login remotely from their own
>> windows Pcs using a remote shell and access idl from the server.
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>> that rendering is done by software, not hardware but that hasn't
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>> Has anyone else come across this problem before?

>

> I haven't seen the problem before, but I have been able to run
> object graphics programs remotely from my LINUX box running IDL 7
> to my Windows machine, running XMING. It is S-L-O-W. I use
> SSH Secure Shell to log onto my LINUX box. I think the only
> thing special we did there was turn on Tunnel X11 connections,
> but you must have this working or you wouldn't see direct graphics
> windows.

I wondered about the 64 bit - not sure if that is the problem so I'll
try to find a machine with 64bit windows to test.

The fact that even when it works it is slow is very discouraging. I'm
working with histology images that are at least 4Gb in size and I need
to be able to zoom in and out using jp2000 - perhaps the advantages of
using the linux box with 32Gb memory will be outweighed by the poor
display time!

Still the fact that it is possible is useful - at least I don't need
to search for another xwindows package!

Thanks,

Anne

>

> So, don't know, except that it is possible. :-)

>

> Cheers,

>

> David

>

> P.S. Have you tried doing this to a 32-bit machine? I wonder
> if something about the 64-bit is getting in your way?

> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Running IDL remotely - problems with xwindows
Posted by [Foldy Lajos](#) on Fri, 02 Jan 2009 20:52:05 GMT
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Hi,

On Fri, 2 Jan 2009, anne wrote:

> I've installed IDL 7.0 on a PC server running 64bit Fedora. This
> computer has more processing power and memory than any of the local
> pcs so I want users to be able to login remotely from their own
> windows Pcs using a remote shell and access idl from the server.
> For access from the windows pcs I tried unsuccessfully to use Exceed
> and therefore switched to using xming - an open source xserver
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> be seen and display windows using direct graphics worked properly. I
> cannot seem to get object graphics to work properly however. In
> windows I just get a blank display window when I try to run the
> Revolution application or the itools applications. I have made sure
> that rendering is done by software, not hardware but that hasn't
> helped.
> Has anyone else come across this problem before?
>
> Happy New Year!
> Anne
>

Have you tried xming-mesa? In theory, it can do the software rendering on the server side, which can be faster than the client side sw renderer (less network traffic).

regards,
lajos

Subject: Re: Running IDL remotely - problems with xwindows
Posted by [David Fanning](#) on Fri, 02 Jan 2009 20:53:07 GMT
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anne writes:

- > The fact that even when it works it is slow is very discouraging. I'm
- > working with histology images that are at least 4Gb in size and I need
- > to be able to zoom in and out using jp2000 - perhaps the advantages of
- > using the linux box with 32Gb memory will be outweighed by the poor
- > display time!

I'd get all your users Starbucks gift cards. Couldn't hurt. :-(

You might want to look into something like TightVNC or RealVNC. Several of our programmers think highly of this solution for display of a remote machine on their local machine. The advantage is that only the things on the display that have changed are sent across, not the whole damn display each time. This makes it much faster, apparently, than an X server solution.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Running IDL remotely - problems with xwindows

Posted by [R.Bauer](#) on Fri, 02 Jan 2009 21:18:33 GMT

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anne schrieb:

- > I've installed IDL 7.0 on a PC server running 64bit Fedora. This
- > computer has more processing power and memory than any of the local
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- > windows I just get a blank display window when I try to run the
- > Revolution application or the itools applications. I have made sure
- > that rendering is done by software, not hardware but that hasn't
- > helped.
- > Has anyone else come across this problem before?
- >
- > Happy New Year!
- > Anne

Hi Anne

try
<http://freenx.berlios.de> (FreeNX) and nxclient from <http://www.nomachin.com>.
The clients are for several OS's.

I like the speed and the reconnect option. That means you can shutdown your client computer without stopping the processes on the server. You can reconnect later and look at the results.

cheers
Reimar

Subject: Re: Running IDL remotely - problems with xwindows
Posted by [Craig Markwardt](#) on Sat, 03 Jan 2009 03:17:55 GMT
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On Jan 2, 4:18 pm, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

>
> Hi Anne
>
> try<http://freenx.berlios.de>(FreeNX) and nxclient from<http://www.nomachin.com>.
> The clients are for several OS's.
>
> I like the speed and the reconnect option. That means you can shutdown
> your client computer without stopping the processes on the server. You
> can reconnect later and look at the results.

I can confirm that FreeNX works really well for speeding up Xwindows connections, especially interactive ones. Alas, our sys-admins no longer allow it. Also alas, it's another software installation that you have to do.

Craig

Subject: Re: Running IDL remotely - problems with xwindows
Posted by [anne](#) on Tue, 06 Jan 2009 18:52:09 GMT
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On Jan 2, 10:17 pm, Craig Markwardt <cbmarkwa...@gmail.com> wrote:

> On Jan 2, 4:18 pm, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
>
>
>

>> Hi Anne
>
>> try <http://freenx.berlios.de>(FreeNX) and nxclient from <http://www.nomachin.com>.
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> connections, especially interactive ones. Alas, our sys-admins no
> long allow it. Also alas, it's another software installation that you
> have to do.
>
> Craig

The NX software does do the trick. It works really well and solves a lot of other problems for me as well, so thanks for the info! The only snag is that the free server is limited to 2 users and these are the first 2 users to connect to the system so don't get your sysadmin person to try it first or you will have wasted a spot (like I just did)!

Anne

Subject: Re: Running IDL remotely - problems with xwindows

Posted by [R.Bauer](#) on Fri, 09 Jan 2009 12:22:46 GMT

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anne schrieb:

> On Jan 2, 10:17 pm, Craig Markwardt <cbmarkwa...@gmail.com> wrote:
>> On Jan 2, 4:18 pm, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
>>
>>
>>
>>> Hi Anne
>>> try <http://freenx.berlios.de>(FreeNX) and nxclient from <http://www.nomachin.com>.
>>> The clients are for several OS's.
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> snag is that the free server is limited to 2 users and these are the
> first 2 users to connect to the system so don't get your sysadmin
> person to try it first or you will have wasted a spot (like I just
> did)!
> Anne

Hi Anne

you can use the FreeNX server with unlimited users. <http://freenx.berlios.de>

NX is an exciting new technology for remote display. It provides near local speed application responsiveness over high latency, low bandwidth links. The core libraries for NX are provided by NoMachine under the GPL. FreeNX is a GPL implementation of the NX Server and NX Client Components.

It is compatible with the client from nomachine. I never used other clients.

cheers
Reimar
