Subject: Re: IDL licenses thru a tunnel?
Posted by Craig Markwardt on Tue, 18 Mar 2003 02:49:41 GMT
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Randall Skelton <rhskelto@atm.ox.ac.uk> writes:
> The second port I tunnel seems to be required for the information being
> passed back from the IDL license server. I basically sniffed packets
> while in my office to and learned that IDL was routing packets back on
> 4100 and not 1700. I have no idea how standard this is but it is
> definitely required for my setup.

I am following up on this, since I suddenly do have a need to tunnel
to a license server from a remote location.

I found out that it most definitely was *not* working for me, the way
I said it was. I was experimenting on a local machine that was within
the firewall, and that was not a good enough test.

Randall is right, you need to add another port to be forwarded, but
for me it was not 4100, it was 32769. I am not sure if this is
random, or if it is built into the license server. [but neither 4100
nor 32769 seems random.] This second port appears to be a another
layer of the licensing transaction that is required to let you run
IDL.

> Change your license.dat file to point to localhost rather than your usual
> license server.
>
> i.e.
>   SERVER idl_license_server.domain 0#50##ae6#cf 1700
> becomes
>   SERVER localhost 0#50##ae6#cf 1700

This still did not work for me. The reason is that at the second
layer of the transaction, the license file at the *server* is
consulted, not the local license file. So if the server is named
foobar.domain, it would have a license server file like:

  SERVER foobar.domain XXXXXXXXXXXXXX 1700

The license server somehow reports the foobar.domain hostname back to
the IDL client, and unfortunately you are then in a world of hurt.
The local machine tries to connect to foobar.domain:32769 (in my
case), which is also blocked by the firewall.

The solution was indeed to mangle with the hosts table, and after that

things seemed to work alright.

Summary:
  * port redirect 1700
  * port redirect 4100 or 32769 or whatever, use netstat to find out
  * setenv LM_LICENSE_FILE 1700@localhost   (allows first level transaction)
  * mangle "/etc/hosts" so that *server* license.dat server name is
    aliased to 127.0.0.1 (allows second level transaction)

Now, wasn't that easy? How wonderfully useful IDL licensing is...
Harumphhh.

Craig

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