Subject: Remote shell and IDL,
Posted by Lars Hanson on Mon, 26 Apr 1999 07:00:00 GMT

I'd like to run IDL remotely in a unix environment doing something
like...

    rsh remotehost "export DISPLAY=localhost:0 ; idl"

from localhost.

This works, but unfortunately the 'IDL> '-prompt doesn't pass through
to localhost, which confuses my emacs shell (idl-shell.el).

Any suggestions? Thanks, Lars

Lars Hanson, DRCMR

Subject: Re: Remote shell and IDL,
Posted by Schwarb Manfred on Fri, 30 Apr 1999 07:00:00 GMT

hi lars

i don't know a solution with rsh for your problem
> rsh remotehost "export DISPLAY=localhost:0 ; idl"

but:
1) the problem is that rsh does no allocation of a tty.

2) with secure login it's no problem:
ssh -t remotehost idl (ssh set your display automatically)

so convince your sysmanagers to install ssh (version 1 not 2, the
version 2 is very buggy) ...

3) other possibility:
run your idl-program on the remotehost via a file:

make a file myprog.test:
cat > myprog.test <<EOF
    print,"hello"
    xloadct
    wait,3
    exit
EOF

then run idl by typing
rsh remotehost "export DISPLAY=localhost:0 ; idl myprog.test"

i hope this helps you a little bit

manfred

Subject: Re: Remote shell and IDL,
Posted by David Foster on Tue, 11 May 1999 07:00:00 GMT

Schwarb Manfred wrote:
>
> hi lars
>
> i don't know a solution with rsh for your problem
>> rsh remotehost "export DISPLAY=localhost:0 ; idl"
>
> but:
> 1) the problem is that rsh does no allocation of a tty.
>
> 2) with secure login it's no problem:
> ssh -t remotehost idl (ssh set your display automatically)
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> so convince your sysmanagers to install ssh (version 1 not 2, the
> version 2 is very buggy) ...
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> 3) other possibility:
> run your idl-program on the remotehost via a file:
>
> make a file myprog.test:
> cat > myprog.test <<EOF
>   print,"hello"
>   xloadct
>   wait,3
>   exit
> EOF
>
> then run idl by typing
> rsh remotehost "export DISPLAY=localhost:0 ; idl myprog.test"

Hi Lars!

You might be able to have the DISPLAY env variable set appropriately
by using the following, which assumes you are using TCSH shell, which
has the $REMOTEHOST variable:

```
if ( $?prompt ) then
    setenv DISPLAY local-host:0.0
    if ( $?REMOTEHOST == 1 ) then
        test $?REMOTEHOST && setenv DISPLAY ${REMOTEHOST}:0.0 >&
/dev/null
    endif
endif
```

I put this in a global startup file that gets sourced by everyone's
.cshrc file.

Dave Foster

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