Subject: Re: IDL without X11?
Posted by George White on Sat, 06 Feb 2010 15:30:08 GMT
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On Fri, 5 Feb 2010, nata wrote:

> I found this:
>
> Since this program is an X client, it requires the presence of an X
> server,
> making it problematic to automate this process using CRON.
>
> The X version X11R6 was downloaded via anonymous ftp from:
>
> ftp://ferret.wrc.noaa.gov/pub/special_requests/xvfb/solaris/ X11R6/bin...
>
> Then it's just a matter of starting the virtual frame buffer program
> on <HOST> to create the virtual display #1:
>
> /usr/X11R6/bin/Xvfb :1 -screen 0 1152x900x8 &
>
> Then within the script that performs <desired batch operations>
> the following line sends graphics output to DISPLAY 1, the virtual
> frame
> buffer we just started:
>
> set DISPLAY=:1.0 ; export DISPLAY
>
> I installed Xvfb and I do:
> Xvfb :5 -screen 0 1152x900x8 &
> set DISPLAY=:5.0 ; export DISPLAY
> idl
> plot, dist(2)
> % Compiled module: DIST.
> X11 connection rejected because of wrong authentication.
>
>
> T_T It doesn't work !
> Help?
> nata

It takes a bit of time for Xvfb to start, so you may need a "sleep"
after starting Xvfb before you can actually use it.

I've been using Xvfb on a number of machines for years. Most of these
machines run for extended periods between boots, so I just start Xvfb
manually after a restart. There is one (headless) machine where we have
to use TCPIP, e.g. DISPLAY=localhost:2 in place of just DISPLAY=:2.

You can query the Xvfb server using xdpyinfo.

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