
Subject: Re: IDL without X11?

Posted by [Karl\[1\]](#) on Fri, 05 Feb 2010 23:54:07 GMT

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On Feb 5, 3:22 pm, nata <bernat.puigdomen...@gmail.com> wrote:

> Hi Karl,

>

> Thank you for your reply. Finally I got something.

> Now, I'm able to run the script but only for the root user (I don't

> know why). For the other users I got the following message:

> Warning: Cannot allocate colormap entry for default background.

>

> This is my final script:

>

> export DISPLAY=:2

> /usr/X11R6/bin/Xvfb :2 -screen 0 1152x900x16 &

> /usr/local/itt/idl70/bin/idl -rt=my_script.sav -args A B C

>

> nata

>

> PS I realized that I just have to define the screen one time (/usr/

> X11R6/bin/Xvfb :2 -screen 0 1152x900x16 &).

> Then, if the script will be executed each 10 minutes using the 1st and

> 3th lines it's enough

What got rid of the

X11 connection rejected because of wrong authentication.

message?

I would put a sleep for a few seconds after you kick off Xvfb to make sure it gets started before IDL tries to talk to it.

Also, I'd put a killall Xvfb after IDL runs. There's no good reason to let the server run. If you have to run it as root, you might want to find some other way to kill it, so you don't kill someone else's Xvfb.

You don't need a screen that large - you could go really tiny in w and h, and 8 bits for d. This is just a dummy server and you'll save some memory.

The colormap issue is probably caused by the root user and the "other" users having a different set of X default or config files, or something along those lines. The "other" users may have config files in their home dirs that are trying to init a desktop or who knows what. It is just a warning - the IDL client still runs without being

root, right? I wouldn't run it as root if I could avoid it.

It could be that one of these config files is asking for a 32-bit color spec and your server is 16 bpp. You might try starting Xfvb with 32 bpp. Or move all those X-related config files out of the way in your home dir and see if that helps. Check for X-related env vars as well.
