Arch Linux

Index   Rules   Search   Register   Login

You are not logged in.   Topics: **Active** | **Unanswered**

Index » **Newbie Corner**
» **How to resolve "No protocol specified Unable to init server:? [Solved**

Pages: **1**

vaibhavsingh97	2017-01-03 06:54:15	#1

Member

Registered: 2016-08-15
Posts: 32

I installed arch linux lats night. Now i don't understand why I can't run GUI applications like gedit,.etc from a terminal.

```
[vaibhav@linux ~]$ sudo gedit
[sudo] password for vaibhav:
No protocol specified
Unable to init server: Could not connect: Con

(gedit:850): Gtk-WARNING **: cannot open dis
```

but when i use this command after every boot/reboot

```
[vaibhav@linux ~]$ xhost +local:
non-network local connections being added to
```

I am able to run GUI application. How to fix this permanently?

Last edited by vaibhavsingh97 (2017-01-03 08:56:10)

Offline

ayekat

2017-01-03 07:36:37   #2

Member

Registered: 2011-01-17
Posts: 1,567

Website

> **vaibhavsingh97 wrote:**
>
> Now i don't understand why I can't run GUI applications like gedit,.etc from a terminal.

It is perfectly possible to run GUI applications from the terminal - but *you* are running them with `sudo`, which you should not.
It does not work because by default your X session is only accessible to your own user - this is a security mechanism to prevent other users from doing malicious things in your X session. Disabling that mechanism the way you did with `xhost` is therefore not recommended.

As stated in the above link, if you want to run the application with elevated privileges, there is gksu/gksudo for that job.

--edit--
+1 for seth's suggestion below.

Last edited by ayekat (2017-01-03 08:41:24)

{,META,RE}PKGBUILDS | pacman-hacks (includes makemetapkg and remakepkg) | ~~dotfiles~~localdir

Offline

seth

2017-01-03 08:39:45   #3

Member

Registered: 2012-09-03
Posts: 44,610

That aside, look into sudoedit for this particular case - running GUI applications as root is never a good idea. (They contain too much code, have too many dependencies and are in general far more bug and exploit prone)

How to upload text · How to boot w/o GUI · Disable Windows Fast-Start! · Your xinitrc is broken

Offline

2017-01-04 11:04:30   #4

vaibhavsingh97

Member

Registered: 2016-08-15
Posts: 32

> **ayekat wrote:**
>
> > **vaibhavsingh97 wrote:**
> >
> > Now i don't understand why I can't run GUI applications like gedit,.etc from a terminal.
>
> It is perfectly possible to run GUI applications from the terminal - but *you* are running them with `sudo`, which you should not.
> It does not work because by default your X session is only accessible to your own user - this is a security mechanism to prevent other users from doing malicious things in your X session. Disabling that mechanism the way you did with `xhost` is therefore not recommended.
>
> As stated in the above link, if you want to run the application with elevated privileges, there is gksu/gksudo for that job.
>
> --edit--
> +1 for seth's suggestion below.

```
[vaibhav@linux ~]$ gksu bleachbit
Could not open X display
[vaibhav@linux ~]$ gksudo bleachbit
Could not open X display
```

what to do know?

Offline

Mr.Elendig   2017-01-04 11:20:02   #5

#archlinux@freenode channel op

From: The intertubes
Registered: 2004-11-07
Posts: 4,089

Offline

For editors use sudoedit instad of running the editor as root, (or use thriks like :w !sudo tee % in vim)

Evil #archlinux@libera.chat channel op and general support dude.
. files on github, Screenshots, Random pics and the rest

                                                        2017-01-04 11:29:59   #6

Docbroke

Member

From: India
Registered: 2015-06-13
Posts: 1,429

Offline

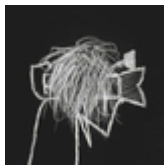I think OP is trying to open GUI applications from server (without x server running)

Arch is home!
https://github.com/Docbroke

---

ayekat   2017-01-04 12:11:18   #7

Member

Registered: 2011-01-17
Posts: 1,567

Website

Offline

> **Docbroke wrote:**
>
> I think OP is trying to open GUI applications from server (without x server running)

It does seem so. Or from a TTY or another terminal that does not have access to the X display.

Please post the output of these commands:

```
pgrep -a X
echo $DISPLAY
echo $TERM
```

{,META,RE}PKGBUILDS | pacman-hacks (includes makemetapkg and remakepkg) | ~~dotfiles~~localdir

---

2017-01-04 13:35:36   #8

vaibhavsingh97

Member

Registered: 2016-08-15

Posts: 32

> **ayekat wrote:**
>
> > **Docbroke wrote:**
> >
> > I think OP is trying to open GUI applications from server (without x server running)
>
> It does seem so. Or from a TTY or another terminal that does not have access to the X display.
>
> Please post the output of these commands:
>
> ```
> pgrep -a X
> echo $DISPLAY
> echo $TERM
> ```

```
[vaibhav@linux ~]$ pgrep -a X
410 /usr/bin/Xwayland :1024 -rootless -norese
581 /usr/bin/Xwayland :0 -rootless -noreset
[vaibhav@linux ~]$ echo $DISPLAY
:0
[vaibhav@linux ~]$ echo $TERM
xterm-256color
[vaibhav@linux ~]$
```

Offline

---

seth · 2017-01-04 14:00:23 · #9

Member

Registered: 2012-09-03

Posts: 44,610

```
/usr/bin/Xwayland
```

gksu etc. does currently not work on wayland, use gnome on xorg, but
a) avoid running GUI processes as root as much as you can anyway
b) DO NOT USE BLEACHBIT AT ALL - it randomly breaks things because the authors have seriously no deeper knowledge of what they're doing. At very best, it will make your system *slower*.
https://blog.martin-graesslin.com/blog/ … bleachbit/
https://lwn.net/Articles/313679/

How to upload text · How to boot w/o GUI · Disable Windows Fast-Start! · Your xinitrc is broken

Offline

Pages: **1**

Jump to

Newbie Corner ⌄ Go