Subject: HowTo DRI/GLX in a ubuntu EV
Posted by anto_gc on Tue, 20 Jan 2009 09:36:39 GMT
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Hello all,

I have a openvz kernel 2.6.24, OS gentoo, ev ubuntu. I have installed Xserver1.5 (passthrough DRI/GLX for Xephyr). If I try a "glxinfo" command or a "glxgears" command at my ubuntu ev the result is that I dont have DRI/GLX. What is the problem??

is possible to have DRI/GLX in the ubuntu ev?

Thanks!

P.D: another question, for when the kernel 2.6.28 (GEM for GPUs) for the openvz-kernel?

thanks

Subject: Re: HowTo DRI/GLX in a ubuntu EV
Posted by n00b_admin on Wed, 21 Jan 2009 18:44:30 GMT
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Please note that the OpenVZ project is targeted at server deployments.

The latest kernel are hardly deemed as stable for server environments, maybe if you detail why do you require GLX inside a VE someone, more qualified then me, could respond to your question.

On the other hand, the direct hardware interfacing required for 3D acceleration may not be possible in an OpenVZ container.

Subject: Re: HowTo DRI/GLX in a ubuntu EV
Posted by petteriaimonen on Tue, 04 Jan 2011 19:47:32 GMT
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Replying to this old message thread to share my findings.

I had the same need, because I want to run a HTPC setup on the same computer as I use to experiment with virtual machines.

My plan was to export /dev/dri/card0 and /dev/dri/controlD64 to the VE, and then convince DRI to use it.

First trouble was this error message from glxinfo:

X Error of failed request: BadRequest (invalid request code or no such operation)

```
  Major opcode of failed request:  136 (DRI2)
  Minor opcode of failed request:  1 ()
  Serial number of failed request:  16
  Current serial number in output stream:  16
```

I traced it to this check in xorg/hw/xfree86/dri2/dri2ext.c:

```
    if (!LocalClient(client))
        return BadRequest;
```

Bypassing this got me a little further, but only to discover that the /dev/dri/card0 does not work in VE, even though I've set the permissions using vzctl. The other device works, though:

```
jpa-adm@clefairy:~$ cat /dev/dri/card0
cat: /dev/dri/card0: No such device
jpa-adm@clefairy:~$ cat /dev/dri/controlD64
^C
```

I guess there is some limitation in either the DRI driver or OpenVZ that stops me from sharing the device. But even if I could, I fear that some shared memory issues might make DRI from VE impossible.

In conclusion, I think it is better to run the desktop system in a chroot on the HN, even if it is not as secure.

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jpa