
Subject: *SOLVED* No parallel port on VE
Posted by [ferp2](#) on Tue, 17 Oct 2006 03:42:36 GMT
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Hello,

After installing CUPS on a VE, I discovered I could not connect to my printer because there is no available parallel port. Meanwhile, I can access the printer via the parallel port on the HN. How would I access the parallel port on the VE.

Thanks

Subject: Re: No parallel port on VE
Posted by [Vasily Tarasov](#) on Tue, 17 Oct 2006 07:13:06 GMT
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You should add parallel port device to VE using set <veid> --devnodes command of vzctl.

HTH,
vass.

Subject: Re: No parallel port on VE
Posted by [ferp2](#) on Wed, 18 Oct 2006 13:38:49 GMT
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Hi Vass,

I've followed your recommendation:

Quote:You should add parallel port device to VE using set <veid> --devnodes command of vzctl.

But lp0 remains inaccessible to the VE. Only when I start the cups server in the HN can I start to access lp0 in the VE.

I have also tried the following without success:

1. Manually re-added lp0 to the VE using the vzctl set <veid> --devnodes lp0:rw command.
 2. Restarted the VE.
 3. Restarted cups server in the VE.
 4. Entered vzctl set <veid> --devnodes lp0:rw --save and restarted the HN.
-
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Subject: Re: No parallel port on VE
Posted by [dev](#) on Thu, 19 Oct 2006 08:08:59 GMT
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Quote:

But lp0 remains inaccessible to the VE.

what do you mean by that? how is it inaccessible?
what are the exact messages on the screen/logs etc.?
what are the commands you are trying to execute and fail?

please, provide detailed questions if you want real feedback on the issues.

Subject: Re: No parallel port on VE
Posted by [ferp2](#) on Thu, 19 Oct 2006 13:19:35 GMT
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Quote:what do you mean by that? how is it inaccessible?
what are the exact messages on the screen/logs etc.?
what are the commands you are trying to execute and fail?

After doing `vzctl set <veid> --devnodes lp0:rw`, there is still no `/dev/lp0` device in the VE. As a result I cannot print from the VE. When I set up the printer in CUPS, I cannot set the device URI to the parallel port because there is no parallel port. Here's what happens when I try to print directly to the device:

Quote:

```
echo "sdfsdf" > /dev/lp0  
bash: /dev/lp0: No such device or address
```

I have found a temporary solution to this problem as follows:
To be able to print to the `/dev/lp0` device in the VE, I have to start the cups daemon in the HN. I have to do this every time I reboot the HN server.

Please note that I have already done `vzctl set <veid> --devnodes lp0:rw --save`.

Thank you.

Subject: Re: No parallel port on VE
Posted by [dev](#) on Thu, 19 Oct 2006 13:22:03 GMT
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can you check the following:
1. `ls -la /dev/lp*` in VE, when it doesn't work.

2. check modules loaded in VE0 after reboot with lsmod and after cupsd startup. I guess there are some kernel modules which should be loaded and surely this can not be done from VE.

Subject: Re: No parallel port on VE
Posted by [ferp2](#) on Thu, 19 Oct 2006 13:46:12 GMT
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Quote:1. ls -la /dev/lp* in VE, when it doesn't work.

```
ls -la /dev/lp*  
crw-r----- 1 root root 6, 0 Oct 17 09:50 /dev/lp0  
crw-r----- 1 root root 6, 1 Oct 17 17:17 /dev/lp1  
crw-r----- 1 root root 6, 2 Oct 17 17:19 /dev/lp2
```

Quote:check modules loaded in VE0 after reboot with lsmod and after cupsd startup. I guess there are some kernel modules which should be loaded and surely this can not be done from VE.

On HN (VE0):
Before starting cupsd:
lsmod | grep parport

After starting cupsd:
lsmod | grep parport
parport_pc 19776 1
parport 20992 2 parport_pc,lp

It looks like starting cupsd in VE0 modprobes parallel port modules, whereas this is not the case when starting cupsd in VEx.

Subject: Re: No parallel port on VE
Posted by [dev](#) on Thu, 19 Oct 2006 13:57:56 GMT
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exactly. modules can be loaded by administrator request only.
just load these modules in your rc.local scripts on node boot up or on VE start or ... as you like

Subject: Re: No parallel port on VE
Posted by [dev](#) on Thu, 19 Oct 2006 13:59:10 GMT
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I would very much appreciate if you document the whole process on wiki.openvz.org

Subject: Re: No parallel port on VE
Posted by [ferp2](#) on Thu, 19 Oct 2006 15:04:59 GMT
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Thanks for your help.
