
Subject: Re: OpenVZ and Gentoo (partly solved)
Posted by [dev](#) on Thu, 05 Jan 2006 16:31:48 GMT
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>>found it!
>>you need to start VPS and then do bind mount, since vzctl redo mounts on
>>VPS start, so my 1st proposal for you was wrong. sorry :)
>
>
> no problem. It tried it already, and now I get "permissin denied" if I try to
> access the directory from inside the VPS.
huh... what file permissions do you have in /usr/portage?
please, note, that UIDs can be different in VPS and host system.
Also please check cat /proc/sys/fs/ve-area-access-check
if it is non-zero value, then echo 0 to it.
This check makes sure that your VPS has no access to trusted data or
host system don't access to untrusted one. Just disable it as we did in
recent kernel by default.

>>the best way you can do it actually is to insert your special mounts in
>>VPS mount script which will be automatically run on VPS start.
>
>
> This must be done on the host. Is there a possibility to execute scripts by
> vzctl start?
yes. see scripts in /etc/sysconfig/vz-scripts

>>Please note, on 2.6.8 kernel bind mount is still rw :(
>
>
> o.k.
>
>
>>Kirill
>>
>>
>>>Am Donnerstag, 5. Januar 2006 16:27 schrieb Kirill Korotaev:
>>>
>>>>can you give me an access? it will be much faster...
>>>>if so, send me a private mail with login please.
>>>
>>>Sorry, thats not possible ...
>>>
>>>
>>>>Kirill
>>>>
>>>>
>>>>>Am Donnerstag, 5. Januar 2006 15:25 schrieb Kirill Korotaev:

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>>>>>
>>>>>>The network issue is partly solved: I do not use the gentoo net.lo
>>>>>>script for net.venet0 anymore, instead I setup the interfaces venet0
>>>>>>and venet0:0 with the attached workaround-script.
>>>>>>
>>>>>>But, how do I bind-mount directories from to host to the VPS, e.g. to
>>>>>>use /usr/portage in the VPD too. If I try to (on host)
>>>>>>
>>>>>>gs ~ # mount /usr/portage /vz/private/2001/usr/portage/ -o bind,ro
>>>>>>
>>>>>>try /vz/root/2001/usr/portage after VPS is mounted.
>>>>>>
>>>>>>does not solve the problem.
>>>>>>
>>>>>>on host:
>>>>>>
>>>>>>gs ~ # vzctl mount 2001
>>>>>>VPS is mounted
>>>>>>gs ~ # mount /usr/portage /vz/root/2001/usr/portage -o bind,ro
>>>>>>gs ~ # mount
>>>>>>/dev/hda1 on / type ext3 (rw,noatime)
>>>>>>proc on /proc type proc (rw)
>>>>>>sysfs on /sys type sysfs (rw)
>>>>>>udev on /dev type tmpfs (rw,nosuid)
>>>>>>devpts on /dev/pts type devpts (rw)
>>>>>>/dev/hdb1 on /tftproot type ext3 (rw,noatime)
>>>>>>shm on /dev/shm type tmpfs (rw,noexec,nosuid,nodev)
>>>>>>192.168.39.1:/home/lmeier on /root/lmeier type nfs
>>>>>>(rw,addr=192.168.39.1) none on proc type proc (rw)
>>>>>>/usr/portage on /vz/root/2001/usr/portage type none (ro,bind)
>>>>>>gs ~ #
>>>>>>
>>>>>>in the VPS:
>>>>>>
>>>>>>ovz01 usr # ls
>>>>>>bin          include libexec portage  sbin  src
>>>>>>i386-pc-linux-gnu lib    local  portage.vps share tmp
>>>>>>ovz01 usr # ls -l portage
>>>>>>total 0
>>>>>>ovz01 usr #
>>>>>>
>>>>>>
>>>>>>>I get
>>>>>>>
>>>>>>>ovz01 usr # ls
>>>>>>>bin i386-pc-linux-gnu include lib libexec local portage sbin
>>>>>>>share src tmp
>>>>>>>ovz01 usr # ls portage

```

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>>>>>>ovz01 usr #
>>>>>>
>>>>>>on the VPS ovz01. Whats wrong?
>>>>>>
>>>>>>- Wilhelm
>>>>>>
>>>>>>Am Mittwoch, 4. Januar 2006 17:28 schrieb Wilhelm Meier:
>>>>>>
>>>>>>Am Mittwoch, 4. Januar 2006 09:51 schrieb Kirill Korotaev:
>>>>>>
>>>>>>>so you run Gentoo inside VPS yeah?
>>>>>>>
>>>>>>>Well, I try to ...
>>>>>>>
>>>>>>>
>>>>>>>the problem seems to be in your initscripts, which didn't mount
>>>>>>>/proc on VPS start and didn't create /dev/ptyX entries for terminal
>>>>>>>devices. Looks like the only process in your VPS is init,
>>>>>>>strange...
>>>>>>>
>>>>>>>I created the needed /dev/ttyp0 and /dev/ttyp0 by hand
>>>>>>>in /vz/private/<id>/dev/ and mount also /proc by hand. Then it is
>>>>>>>possible to enter the gentoo-VPS:
>>>>>>>
>>>>>>>gs ~ # vzctl enter 2001
>>>>>>>entered into VPS 2001
>>>>>>>ovz01 / # ps aux
>>>>>>>USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME
>>>>>>>COMMAND root      1  0.0  0.1  1368   480 ?        Ss   17:06
>>>>>>>0:00 ini root    14644  0.0  0.3  1740   780 ?        Ss   17:14
>>>>>>>0:00 vzctl: ttyp0 root    15669  0.5  0.5  2244  1288 ttyp0  Ss
>>>>>>>17:14  0:00 bash -i root    15671  0.0  0.3   2376   836 ttyp0
>>>>>>>R+ 17:14  0:00 ps aux ovz01 / #
>>>>>>>
>>>>>>>I also copied /etc/init.d/net.lo to the VPS and some additional
>>>>>>>scripts, which are apparently missing.
>>>>>>>But in the gentoo-VPS I get still:
>>>>>>>
>>>>>>>ovz01 / # /etc/init.d/net.venet0 start
>>>>>>>* Starting
>>>>>>>*      no interface module has been loaded
>>>>>>>ovz01 / #
>>>>>>>ovz01 / # /sbin/ifconfig -a
>>>>>>>lo      Link encap:Local Loopback
>>>>>>>      LOOPBACK MTU:16436 Metric:1
>>>>>>>      RX packets:38 errors:0 dropped:0 overruns:0 frame:0
>>>>>>>      TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
>>>>>>>      collisions:0 txqueuelen:0

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>>>>>>> RX bytes:2660 (2.5 Kb) TX bytes:2660 (2.5 Kb)
>>>>>>>
>>>>>>>venet0 Link encap:UNSPEC HWaddr
>>>>>>>00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
>>>>>>> BROADCAST POINTOPOINT NOARP MTU:1500 Metric:1
>>>>>>> RX packets:0 errors:0 dropped:0 overruns:0 frame:0
>>>>>>> TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
>>>>>>> collisions:0 txqueuelen:0
>>>>>>> RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
>>>>>>>
>>>>>>>ovz01 / #
>>>>>>>
>>>>>>>>If I try that with a debian-guest on the gentoo-host, I get:
>>>>>>>>
>>>>>>>>gs ~ # vzctl enter 2002
>>>>>>>>entered into VPS 2002
>>>>>>>>root@ovz02:/# ifconfig -a
>>>>>>>>lo Link encap:Local Loopback
>>>>>>>> LOOPBACK MTU:16436 Metric:1
>>>>>>>> RX packets:38 errors:0 dropped:0 overruns:0 frame:0
>>>>>>>> TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
>>>>>>>> collisions:0 txqueuelen:0
>>>>>>>> RX bytes:2660 (2.5 KiB) TX bytes:2660 (2.5 KiB)
>>>>>>>>
>>>>>>>>venet0 Link encap:UNSPEC HWaddr
>>>>>>>>00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
>>>>>>>> inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0
>>>>>>>>Mask:255.255.255.255
>>>>>>>> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>>>>>>>> RX packets:3 errors:0 dropped:0 overruns:0 frame:0
>>>>>>>> TX packets:3 errors:0 dropped:0 overruns:0 carrier:0
>>>>>>>> collisions:0 txqueuelen:0
>>>>>>>> RX bytes:252 (252.0 b) TX bytes:252 (252.0 b)
>>>>>>>>
>>>>>>>>venet0:0 Link encap:UNSPEC HWaddr
>>>>>>>>00-00-FF-FF-FF-FF-00-00-00-00-00-00-00-00-00-00
>>>>>>>> inet addr:192.168.39.22 P-t-P:192.168.39.22 Bcast:0.0.0.0
>>>>>>>>Mask:255.255.255.255
>>>>>>>> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>>>>>>>>
>>>>>>>>root@ovz02:/#
>>>>>>>>
>>>>>>>>>So the interface venet0:0 is missing in the gentoo-guest.
>>>>>>>>>
>>>>>>>>>>>kir@ who is in charge of Gentoo will be available after Jan 7 only,
>>>>>>>>>>>but I can check what's wrong with your VPS if you provide me the
>>>>>>>>>>>credentials in private email.

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>>>>>>>
>>>>>>>Kirill
>>>>>>>
>>>>>>>
>>>>>>>Hi,
>>>>>>>
>>>>>>>I want to use OpenVZ with Gentoo. I did the install of OpenVZ as
>>>>>>>described in
>>>>>>>
>>>>>>>http://dev.croup.de/proj/gentoo-vps/wiki
>>>>>>>
>>>>>>>When I try to enter, I get:
>>>>>>>
>>>>>>>gs ~ # vzctl start 2001
>>>>>>>Starting VPS ...
>>>>>>>VPS is mounted
>>>>>>>Setting CPU units: 1000
>>>>>>>VPS start in progress...
>>>>>>>gs ~ # vzctl status 2001
>>>>>>>VPSID 2001 exist mounted running
>>>>>>>gs ~ # vzctl enter 2001
>>>>>>>Unable to open pty: No such file or directory
>>>>>>>enter failed
>>>>>>>gs ~ #
>>>>>>>
>>>>>>>and
>>>>>>>
>>>>>>>gs ~ # vzctl exec 2001 ps aux
>>>>>>>Error, do this: mount -t proc proc /proc
>>>>>>>gs ~ # vzctl exec 2001 mount -t proc none /proc
>>>>>>>gs ~ # vzctl exec 2001 ps aux
>>>>>>>USER      PID %CPU %MEM  VSZ  RSS TTY      STAT START   TIME
>>>>>>>COMMAND root      1  0.0  0.1  1368  480 ?        Ss   00:30
>>>>>>>0:00 ini root    22894  0.0  0.3  2372  832 ?        Rs   00:31
>>>>>>>0:00 ps aux gs ~ #
>>>>>>>
>>>>>>>Any hints?
>>>>>>>--
>>>>>>>Wilhelm Meier
>>>>>>>email: meier@informatik.fh-kl.de

```
