Subject: Re: Shared vps files
Posted by Vasily Tarasov on Mon, 11 Sep 2006 14:56:34 GMT
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This is possible with some tricks. This is what I've just done:


```
[myhwn]# vzctl create 30
Creating VPS private area: /vz/private/30
Performing postcreate actions
VPS private area was created

[root@dhcp0-174 ~]# vzctl create 31
Creating VPS private area: /vz/private/31
Performing postcreate actions
VPS private area was created

[root@dhcp0-174 ~]# rm -rf /vz/private/31/sbin/*

[root@dhcp0-174 ~]# cat > /etc/vz/conf/31.mount
#! /bin/bash
mount --bind /vz/private/30/sbin /vz/root/31/sbin

[root@dhcp0-174 ~]# chmod +x /etc/vz/conf/31.mount

[root@dhcp0-174 ~]# cat > /etc/vz/conf/31.umount
#! /bin/bash
umount /vz/root/31/sbin

[root@dhcp0-174 ~]# chmod +x /etc/vz/conf/31.umount
```


After that VE 31 should use the same /sbin, that uses VE30. Let's check, does it work:


```
[root@dhcp0-174 ~]# vzctl start 30
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
[root@dhcp0-174 ~]# vzctl start 31
Starting VPS ...
vzquota : (warning) Quota is running for id 31 already
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
[root@dhcp0-174 ~]# vzctl enter 30
entered into VPS 30
```

```
-bash-3.00# ls /sbin/
MAKEDEV       clock        ether-wake halt      insmod.static kmodule    mkfs.ext2 netreport
         poweroff    route       sulogin
addpart       consoletype fdisk       hwclock  install-info  ldconfig   mkfs.ext3 nologin
 ppp-watch   rtmon       swapoff
agetty        ctrlaltdel findfs      ifcfg    ip            logsave    mkswap    pam_console_apply
 pwdb_chkpwd runlevel   swapon
arp          debugfs    fsck       ifconfig ipmaddr      losetup    modprobe  pam_tally
quotacheck   runuser    sysctl
arping       delpart    fsck.cramfs ifdown   iptables      lsmod      mount.cifs
pam_timestamp_check quotaoff    service    syslogd
badblocks    dumpe2fs   fsck.ext2 ifenslave iptables-restore mii-diag   mount.smb   partx
         quotaon     setsysfont tc
blkid        e2fsck     fsck.ext3 ifup     iptables-save   mii-tool   mount.smbfs pidof
rdisc        sfdisk     telinit
blockdev     e2image    fuser      init     iptunnel      mke2fs     nameif    pivot_root
reboot       shutdown   tune2fs
change_console e2label    genhostid  initlog  killall5      mkfs       nash      plipconfig
 rescuept    slattach   unix_chkpwd
chkconfig    elvtune    getkey     insmod   klogd         mkfs.cramfs netplugd  portmap
      resize2fs   sln

-bash-3.00# echo "qwe" > /sbin/check

-bash-3.00# exit
logout
exited from VPS 30

[root@dhcp0-174 ~]# vzctl enter 31
entered into VPS 31

-bash-3.00# ls /sbin/
MAKEDEV        chkconfig elvtune    getkey    insmod        klogd    mkfs.cramfs netplugd
      portmap     resize2fs sln
addpart       clock       ether-wake halt      insmod.static kmodule mkfs.ext2 netreport
  poweroff    route       sulogin
agetty        consoletype fdisk       hwclock  install-info  ldconfig mkfs.ext3   nologin
ppp-watch   rtmon       swapoff
arp          ctrlaltdel findfs      ifcfg    ip            logsave mkswap     pam_console_apply
pwdb_chkpwd runlevel   swapon
arping       debugfs    fsck       ifconfig ipmaddr      losetup modprobe   pam_tally
quotacheck   runuser    sysctl
badblocks    delpart    fsck.cramfs ifdown   iptables      lsmod    mount.cifs
pam_timestamp_check quotaoff    service    syslogd
blkid         dumpe2fs   fsck.ext2 ifenslave iptables-restore mii-diag mount.smb    partx
   quotaon     setsysfont tc
blockdev     e2fsck      fsck.ext3 ifup     iptables-save   mii-tool mount.smbfs pidof
```

rdisc   sfdisk   telinit
change_console e2image   fuser   init   iptunnel   mke2fs   nameif   pivot_root
 reboot   shutdown   tune2fs
check   e2label   genhostid initlog   killall5   mkfs   nash   plipconfig
rescuept   slattach   unix_chkpwd

-bash-3.00# cat /sbin/check
qwe

-bash-3.00# exit
logout
exited from VPS 31

[root@dhcp0-174 ~]# vzctl stop 30
Stopping VPS ...
VPS was stopped
vzquota : (error) Quota off syscall for id 30: Device or resource busy
vzquota off failed [3]

[root@dhcp0-174 ~]# vzctl stop 31
Stopping VPS ...
VPS was stopped
VPS is unmounted

So it works! =)
The only problem is OpenVZ disk quota. This feature obviously will not work properly with such
configuration.
You should turn it off.

BTW, Virtuozzo uses vzfs instead simfs (this one is used in OpenVZ), and vzfs accomplish file
sharing very effectively.