
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.