

Hello,

I'd never done v2p before you mentioned it but your post made me curious. So here is the quick report of the experiment that I conducted.

Prerequisites.

Assume a standalone Linux box or virtual machine running OpenVZ is under consideration. Lets call it a Node.

The final goal and methods to achieve it.

It would be great to make one of the VEs running on the Node be not a virtual but a physical machine. For the sake of simplicity I did it in the following way:

1. An additional hard disk was attached to the Node.
2. A partition was created and formatted as ext3 filesystem.
3. VE's image was moved to that partition.
4. Appropriate kernel and initrd images were put to that partition and menu.lst on the Node was fixed in such a way that the chosen kernel is loaded and "root filesystem" is pointed to the newly created partiton.

Technical issues.

- 1-2. I omit the first two steps as it doesn't have anything with OpenVZ. So, suppose /dev/hdb1 is the newly created partition.
- 3.

SOME PRELIMINARIES.

```
# vzlist -a
  CTID    NPROC STATUS  IP_ADDR    HOSTNAME
  101      16 running - -
  102      16 running - -
  103      19 running - -
# cat /etc/vz/conf/103.conf | grep -i OSTEMPLATE
OSTEMPLATE="centos-5-x86"
# tune2fs -L v2p /dev/hdb1
# mount -t ext3 LABEL=v2p /mnt/
```

PLEASE,MAKE SURE BEFORE SYNCING VE's IMAGE THAT
vzdummy* PACKAGES ARE REMOVED FROM INSIDE THE VE

AND KERNEL, MKINITRD and UDEV PACKAGES ARE INSTALLED)

```
# rsync -arvpz --numeric-ids /vz/root/103/ /mnt/
```

CHANGING /etc/fstab.

```
# cat /mnt/etc/fstab
```

```
LABEL=v2p          /              ext3 defaults    1 1
tmpfs              /dev/shm          tmpfs defaults    0 0
devpts            /dev/pts          devpts gid=5,mode=620 0 0
sysfs             /sys             sysfs defaults    0 0
proc              /proc            proc  defaults    0 0
```

MODIFY /mnt/etc/inittab IN THE WAY AS

IT IS DONE ON THE NODE.

CREAT INITRD IMAGE WITH APPROPRIATE MODULES (CHECK THE INITRD ON THE NODE

http://wiki.openvz.org/Modifying_initrd_image)

IN MY CASE

```
# chroot /mnt/
```

```
# mkinitrd --with=scsi_mod --with=sd_mod --with=libata --with=ata_piix
/boot/initrd-2.6.18-194.11.3.el5.img 2.6.18-194.11.3.el5
```

MODIFY menu.lst on the Node

```
# cat /boot/grub/menu.lst
```

```
title Centos-VE (2.6.18-194.11.3)
```

```
    root (hd1,0)
```

```
    kernel /boot/vmlinuz-2.6.18-194.11.3.el5 ro root=LABEL=v2p rhgb
```

```
    initrd /boot/initrd-2.6.18-194.11.3.el5.img
```

It was enough to me to boot that CentOS based VE.

I expect you may have other issues with v2p but the general idea might be enough to cope with all problems that might arise.