LVM: Rename root VG/LV

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LVM: Rename root VG/LV

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# Tested on RHEL 6 & 7

# Carry out planned modifications: renaming the existing Volume Group and/or
renaming
# the Logical Volume(s). I just wanted to change the name of all LVs belonging to
rootvg:

lvs
  LV   VG     Attr       LSize   Pool Origin Data%  Meta%  Move Log Cpy%Sync
Convert
  home rootvg -wi-ao---- 512.00m
  opt  rootvg -wi-ao----   1.00g
  root rootvg -wi-ao----   1.00g
  swap rootvg -wi-ao----   1.00g
  tmp  rootvg -wi-ao----   1.00g
  usr  rootvg -wi-ao----   1.00g
  var  rootvg -wi-ao----   1.00g


lvrename /dev/rootvg/home  lv_home
lvrename /dev/rootvg/opt lv_opt
[...]
lvrename /dev/rootvg/usr  lv_usr
lvrename /dev/rootvg/var  lv_var


# Update /etc/fstab with the new names


vi /etc/fstab


   /dev/mapper/rootvg-lv_root                /       ext4   defaults   1 1
```

```
   /dev/mapper/rootvg-lv_swap                 swap    swap   defaults   0 0
   [...]

# and then...



# RHEL 6
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# Update VG/LV names in /boot/grub/grub.conf

vi /boot/grub/grub.conf
   [...]
   kernel /vmlinuz-2.6.32-358.el6.i686 ro root=/dev/mapper/rootvg-lv_root
rd_NO_LUKS [...]

shutdown -r now



# RHEL 7
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# Update VG/LV names in /etc/default/grub

vi /etc/default/grub
   [...]
   GRUB_CMDLINE_LINUX="crashkernel=auto rd.lvm.lv=rootvg/lv_root
rd.lvm.lv=rootvg/lv_swap rd.lvm.lv=rootvg/lv_usr rhgb quiet"
   [...]

# Then reboot the system to rescue mode (I used a RHEL 7 rescue cd, option "find
Linux
# installation and mount under /mnt/sysimage") and rebuild grub2 using following
procedure:

# vgchange -ay rootvg
# mount /dev/sda1 /mnt/sysimage/boot
# mount /dev/rootvg/lv_usr /mnt/sysimage/usr

chroot /mnt/sysimage
grub2-mkconfig -o /boot/grub2/grub2.cfg
```

```
exit
shutdown -r now
```

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