LVM: Reduce an existing Volume Group by removing one of its disks

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LVM: Reduce an existing Volume Group by removing one of its disks

```
# Tested on RHEL 5, 6 & 7

VG=testvg

# Check disks owned by volume group

vgdisplay -v $VG | grep "PV Name"
   PV Name               /dev/sde1
   PV Name               /dev/sde2
   PV Name               /dev/sde3
   PV Name               /dev/sde4    <---

# Remove desired disk from VG (Verify first disk is not in use)

DISK=/dev/sde4

pvdisplay $DISK | egrep "Total|Free"
   Total PE              129         <--- Total Physical Extents
   Free PE               129         <--- Free Physical Extents

# Disk is not being used (no PE in use) so we can remove it from
volume group
```

```
vgreduce $VG $DISK


# Check

vgdisplay -v $VG | grep "PV Name"
   PV Name               /dev/sde1
   PV Name               /dev/sde2
   PV Name               /dev/sde3



# We can remove ALL empty (no physical extents in use) disks from VG
by running 'vgreduce'
# command with '-a' option:

vgreduce -a $VG
```