[root@RWAS ~]# df -h  
Filesystem            Size  Used Avail Use% Mounted on  
/dev/mapper/vg\_rwas-lv\_root  
                       45G   39G  4.0G  91% /  
tmpfs                 939M     0  939M   0% /dev/shm  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]# fdisk -l

Disk /dev/sda: 53.7 GB, 53687091200 bytes  
64 heads, 32 sectors/track, 51200 cylinders  
Units = cylinders of 2048 \* 512 = 1048576 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x0000b593

   Device Boot      Start         End      Blocks   Id  System  
/dev/sda1   \*           2         501      512000   83  Linux  
Partition 1 does not end on cylinder boundary.  
/dev/sda2             502       51200    51915776   8e  Linux LVM  
Partition 2 does not end on cylinder boundary.

Disk /dev/sdb: 53.7 GB, 53687091200 bytes  
64 heads, 32 sectors/track, 51200 cylinders  
Units = cylinders of 2048 \* 512 = 1048576 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x00000000

Disk /dev/mapper/vg\_rwas-lv\_root: 48.9 GB, 48930750464 bytes  
255 heads, 63 sectors/track, 5948 cylinders  
Units = cylinders of 16065 \* 512 = 8225280 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x00000000

Disk /dev/mapper/vg\_rwas-lv\_swap: 4227 MB, 4227858432 bytes  
255 heads, 63 sectors/track, 514 cylinders  
Units = cylinders of 16065 \* 512 = 8225280 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x00000000

[root@RWAS ~]# mkdir /opt/rwas/backup  
[root@RWAS ~]# fdisk /dev/sdb  
Device contains neither a valid DOS partition table, nor Sun, SGI or OSF disklabel  
Building a new DOS disklabel with disk identifier 0x673d7f98.  
Changes will remain in memory only, until you decide to write them.  
After that, of course, the previous content won't be recoverable.

Warning: invalid flag 0x0000 of partition table 4 will be corrected by w(rite)

WARNING: DOS-compatible mode is deprecated. It's strongly recommended to  
         switch off the mode (command 'c') and change display units to  
         sectors (command 'u').

Command (m for help): n  
Command action  
   e   extended  
   p   primary partition (1-4)  
p  
Partition number (1-4):  
Value out of range.  
Partition number (1-4): 1  
First cylinder (1-51200, default 1):  
Using default value 1  
Last cylinder, +cylinders or +size{K,M,G} (1-51200, default 51200):  
Using default value 51200

Command (m for help): w  
The partition table has been altered!

Calling ioctl() to re-read partition table.  
Syncing disks.  
[root@RWAS ~]# fdisk -l

Disk /dev/sda: 53.7 GB, 53687091200 bytes  
64 heads, 32 sectors/track, 51200 cylinders  
Units = cylinders of 2048 \* 512 = 1048576 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x0000b593

   Device Boot      Start         End      Blocks   Id  System  
/dev/sda1   \*           2         501      512000   83  Linux  
Partition 1 does not end on cylinder boundary.  
/dev/sda2             502       51200    51915776   8e  Linux LVM  
Partition 2 does not end on cylinder boundary.

Disk /dev/sdb: 53.7 GB, 53687091200 bytes  
64 heads, 32 sectors/track, 51200 cylinders  
Units = cylinders of 2048 \* 512 = 1048576 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x673d7f98

   Device Boot      Start         End      Blocks   Id  System  
/dev/sdb1               1       51200    52428784   83  Linux

Disk /dev/mapper/vg\_rwas-lv\_root: 48.9 GB, 48930750464 bytes  
255 heads, 63 sectors/track, 5948 cylinders  
Units = cylinders of 16065 \* 512 = 8225280 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x00000000

Disk /dev/mapper/vg\_rwas-lv\_swap: 4227 MB, 4227858432 bytes  
255 heads, 63 sectors/track, 514 cylinders  
Units = cylinders of 16065 \* 512 = 8225280 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disk identifier: 0x00000000

[root@RWAS ~]# mkf  
mkfifo        mkfontdir     mkfontscale   mkfs          mkfs.cramfs   mkfs.ext2     mkfs.ext3     mkfs.ext4     mkfs.ext4dev  mkfs.msdos    mkfs.vfat  
[root@RWAS ~]# mkfs  
mkfs          mkfs.cramfs   mkfs.ext2     mkfs.ext3     mkfs.ext4     mkfs.ext4dev  mkfs.msdos    mkfs.vfat  
[root@RWAS ~]# mkfs.ext4 /dev/sdb1  
mke2fs 1.41.12 (17-May-2010)  
Filesystem label=  
OS type: Linux  
Block size=4096 (log=2)  
Fragment size=4096 (log=2)  
Stride=0 blocks, Stripe width=0 blocks  
3276800 inodes, 13107196 blocks  
655359 blocks (5.00%) reserved for the super user  
First data block=0  
Maximum filesystem blocks=4294967296  
400 block groups  
32768 blocks per group, 32768 fragments per group  
8192 inodes per group  
Superblock backups stored on blocks:  
        32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,  
        4096000, 7962624, 11239424

Writing inode tables: done  
Creating journal (32768 blocks): done  
Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 30 mounts or  
180 days, whichever comes first.  Use tune2fs -c or -i to override.  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]# /dev/sdb1 /opt/rwas/backup^C  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]# vi /etc/fstab  
[root@RWAS ~]#  
[root@RWAS ~]#

Inside the file

/dev/sdb1 /opt/rwas/backup ext4 defaults 1 1

[root@RWAS ~]# mount -a  
mount: /dev/sda1 already mounted or /boot busy  
mount: devpts already mounted or /dev/pts busy  
mount: sysfs already mounted or /sys busy  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]#  
[root@RWAS ~]# df -h  
Filesystem            Size  Used Avail Use% Mounted on  
/dev/mapper/vg\_rwas-lv\_root  
                       45G   39G  4.0G  91% /  
tmpfs                 939M     0  939M   0% /dev/shm  
/dev/sdb1              50G  180M   47G   1% /opt/rwas/backup  
[root@RWAS ~]#