**LVM**

Tool to create storage technic.

1. *Fdisk /dev/sd{a2,b} –* create partition
2. *pvcreate /dev/sd*{a2,b} – create a physical volume (take physical disks to a future use)
3. *vgcreate vg0 /dev/sd{a*2,b} – create volume groups
4. *lvcreate –n lv0 –L 100M [–m –i] vg{0,1…} –* create logical volume [-m:mirror , -i:stripe, --type raid5, -I 128K]
5. *mkfs.ext4* /dev/vg0/lv0 – create file system for the logical volume
6. A) Extending a file system:

1.*fdisk /dev/sdc : 2. Pvcreate /dev/sdc: 3.vgextend vg0 /dev/sdc: 4. lvextend –L 200M –r vg0/lv0* [-r = resize the file system]

B) Replacing a disk:

1.*fdisk /dev/sdc : 2. Pvcreate /dev/sdc: 3.vgextend vg0 /dev/sdc: 4. Pvmove /dev/sda2 /dev/sdc : 5.vgreduce /dev/sda2*

C) Creating a snapshot:

1.lvcreat –s vg0/lv0 –n lv0-snap –l 30%

Lvs = LVסריקות

Pvs = PVסריקות

Vgs = VGסריקות

xfs\_growfs

resize2fs

lvcreate –l 20% free

lvm type = 8e

*mkfs.ext4* /dev/maper/vg0/lv0

vgcreate "name" –s 8M /dev/sda1 /dev/sda2