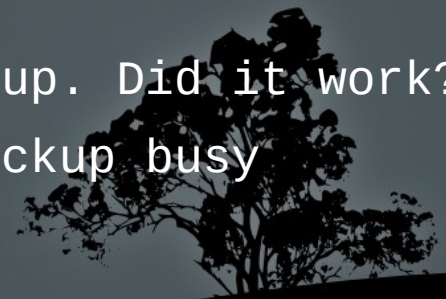# LPIC-1 101-400 – Lesson 19 – Lab

 * Enter into your Lab environment as the root user

- # **view /etc/fstab** # check the **fstab**

- # **mount** # check mounted filesystems

- # **cat /etc/mtab** # check mounted system from **mtab**

- # **cat /proc/mounts** # similar to the above command

- # **df -hT** # show filesystem usage

- # **mkdir /mnt/backup** # create a mount point for backup filesystem

- # **mount /dev/vdb6 /mnt/backup** # mount backup filesystem

- # **mount | grep backup** # check if backup is mounted

- # **df -hT /mnt/backup** # check the disk usage of backup

- # **cd /mnt/backup** # change into backup

- # **cp -a /etc** . # copy **/etc** to backup

- # **umount /mnt/backup** # did it work?

- # **cd** # move back to home directory

- # **umount /mnt/backup** # how about now?

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- # vi /etc/fstab # edit fstab
- G   # go to the end
- o   # Enter into edit mode below the current line
-   /dev/vdb6 /mnt/backup   ext4   defaults   0   0
- Esc   # escape to command mode
- :wq   # save and exit
- # **ls -la /mnt/backup** # do you see anything?
- # **mount /dev/vdb6** # mount **vdb6** using **fstab** info
- # **ls -la /mnt/backup** # how about now?
- # **vi /mnt/backup/etc/fstab** # edit the backup fstab
- **Ctrl-z** # suspend **vi**
- # **bg** # send vi to background
- # **umount /mnt/backup** # try to unmount backup. Did it work?
- # **lsof /mnt/backup** # see what's keeping backup busy
- # **fg** # bring **vi** to foreground
-

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- **:q** # quit **vi**

- # **umount /mnt/backup**

- # **mount | grep backup** # check if backup is mounted# **reboot** # reboot the system and login again as the root user

- # **mount | grep backup** # is backup mounted?

- # **umount /dev/vdb6** # unmount backup

- # **mount | grep backup** # check if backup is unmounted

- # **mount -a** # mount all filesystems

- # **mount | grep backup** # is it mounted?

- # **vi /etc/fstab** # let's make some changes in **fstab**

- **Change the last line of /etc/fstab yo:**

- **/dev/sda9   /mnt/part9 ext3   noauto,rw 0   0**

- # **umount /dev/vdb6** # unmount backup

- # **mount /dev/vdb6** # try mounting backup.
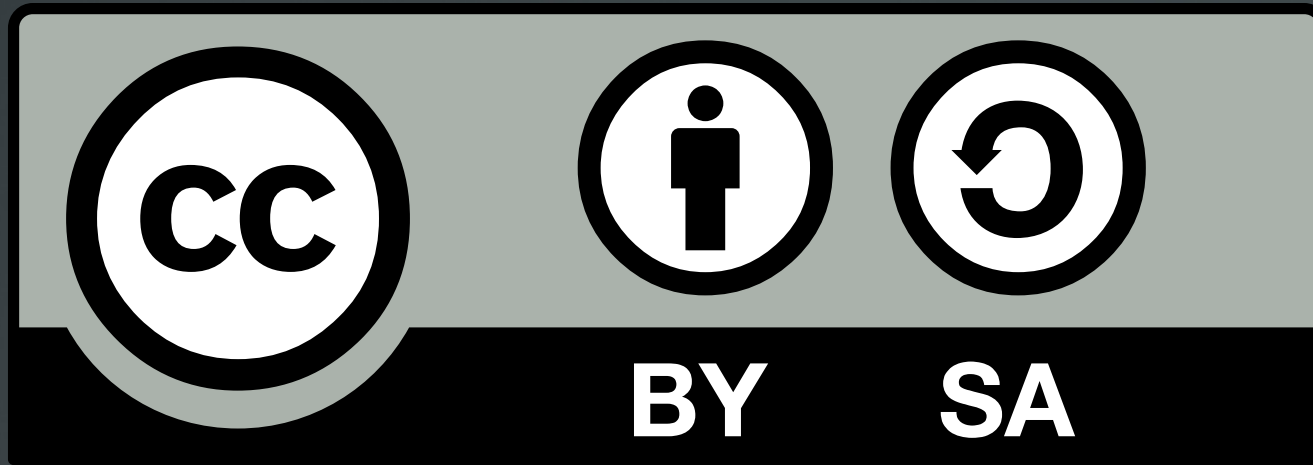
- # **mount | grep backup** # did it work?

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- # **reboot** # reboot the system and login again as the root user
- # **mount | grep backup** # is backup mounted?

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