# Solution M6 (@vasilmg)

*Please fill in your* ***SoftUni username*** *above. Name the file* ***M6-Solution****, prepare a compressed archive, and upload it to the* ***SoftUni*** *site*

### Solution Details

**CHECK:** *Paste the solution check link here*

Include the commands you used for every step. Also include the output if you like (either as pictures or as text)

1.$ time sudo tar -cJvf etc.tar.xz /etc && ls -alh etc.tar.xz

2.$ time sudo tar -cjvf etc.tar.bzip /etc && ls -alh etc.tar.bzip

3.$ time sudo tar -czvf etc.tar.gzip /etc && ls -alh etc.tar.gzip

4.$ ls -alhS etc\* | sort -n > compression-test.txt

5.$ sudo gdisk /dev/sdb

6.$ sudo mkdir -p /addon/{ext4,xfs,lvm}

7.$ sudo mkfs.xfs -L VOLUME-XFS /dev/sdb1

$ sudo mount /dev/sdb1 /addon/xfs

$ sudo vi /etc/fstab

''' UUID /addon/xfs xfs defaults 0 0 '''

8.$ sudo mkswap /dev/sdb2

$ sudo swapon /dev/sdb2

$ sudo vi /etc/fstab

''' UUID none swap sw 0 0 '''

9.$ sudo mkfs.ext4 -L EXT4-VOLUME /dev/sdb3

$ sudo mount /dev/sdb3 /addon/ext4

$ sudo vi /etc/fstab

''' UUID /addon/ext4 ext4 defaults 0 0 '''

10.$ sudo pvcreate /dev/sdb4

$ sudo pvcreate /dev/sdb5

$ sudo pvcreate /dev/sdb6

11.$ sudo vgcreate vg\_addon /dev/sdb4 /dev/sdb5 /dev/sdb6

12.$ sudo lvcreate -n lv\_addon -L 400m vg\_addon

13.$ sudo mkfs.ext4 /dev/vg\_addon/lv\_addon

$ sudo mkdir -p /addon/lvm

$ sudo mount /dev/vg\_addon/lv\_addon /addon/lvm

$ sudo vi /etc/fstab

''' /dev/vg\_addon/lv\_addon /addon/lvm ext4 defaults 0 0 '''

14.& 15.$ sudo lvextend -l +100%FREE /dev/vg\_addon/lv\_addon

15.$ sudo reboot

$ lsblk