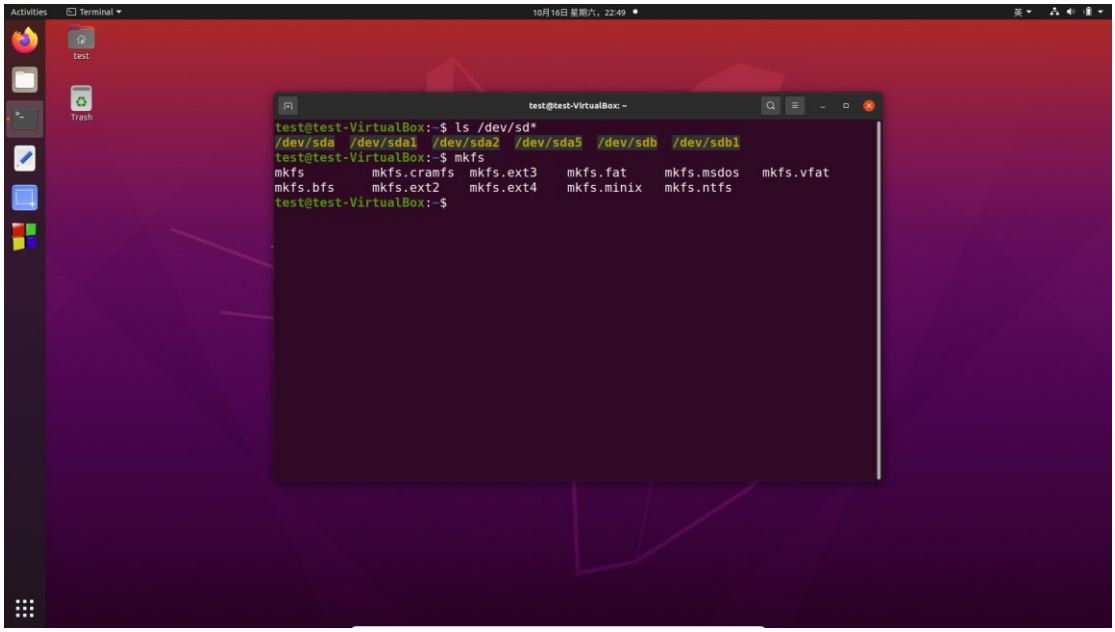
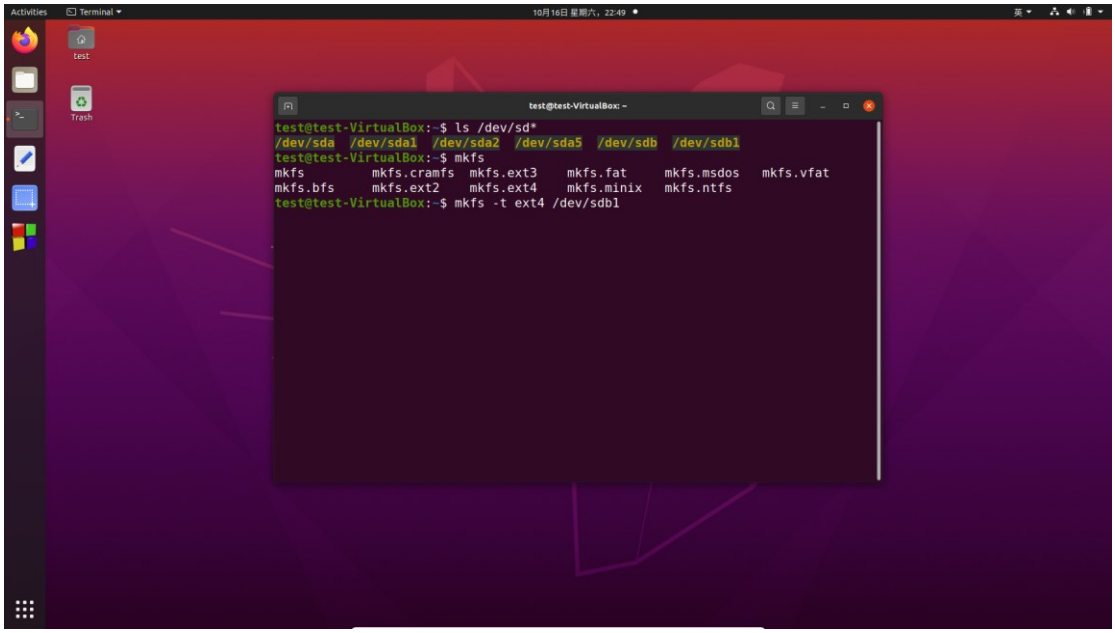
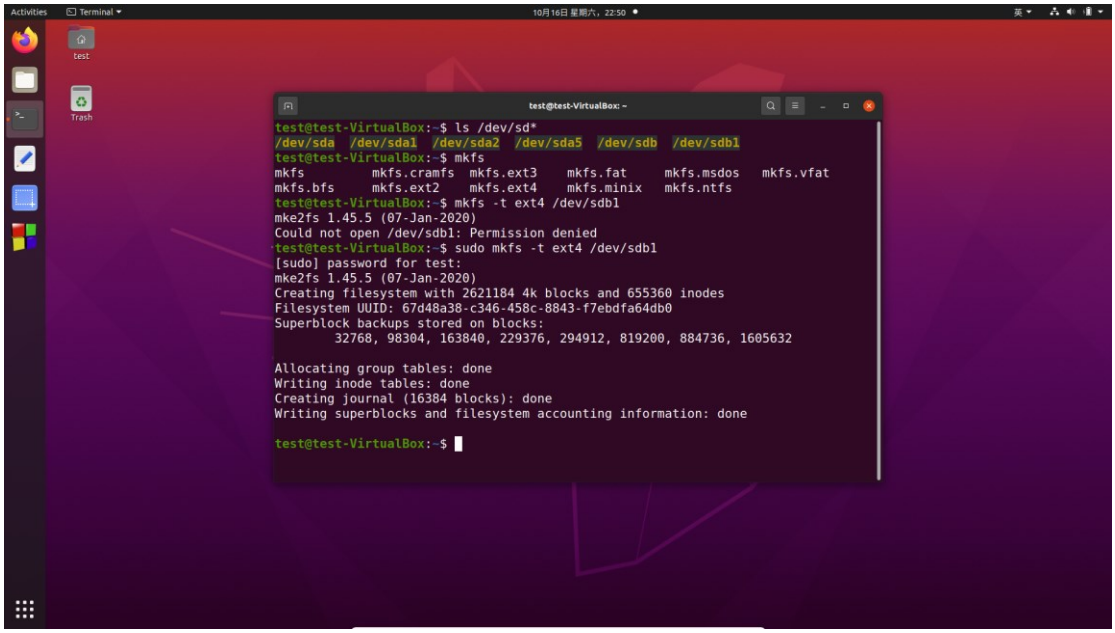
Add a New Disk and Resize it In Linux

Format the new partition: make a new filesystem

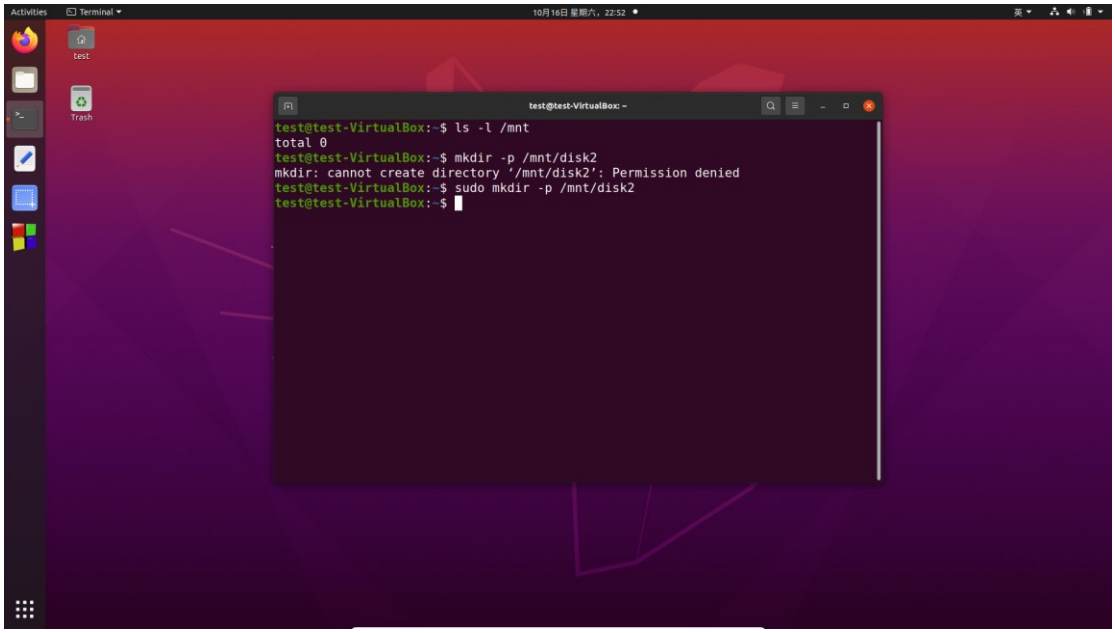




$sudo mkfs -t ext4 /dev/sdb1



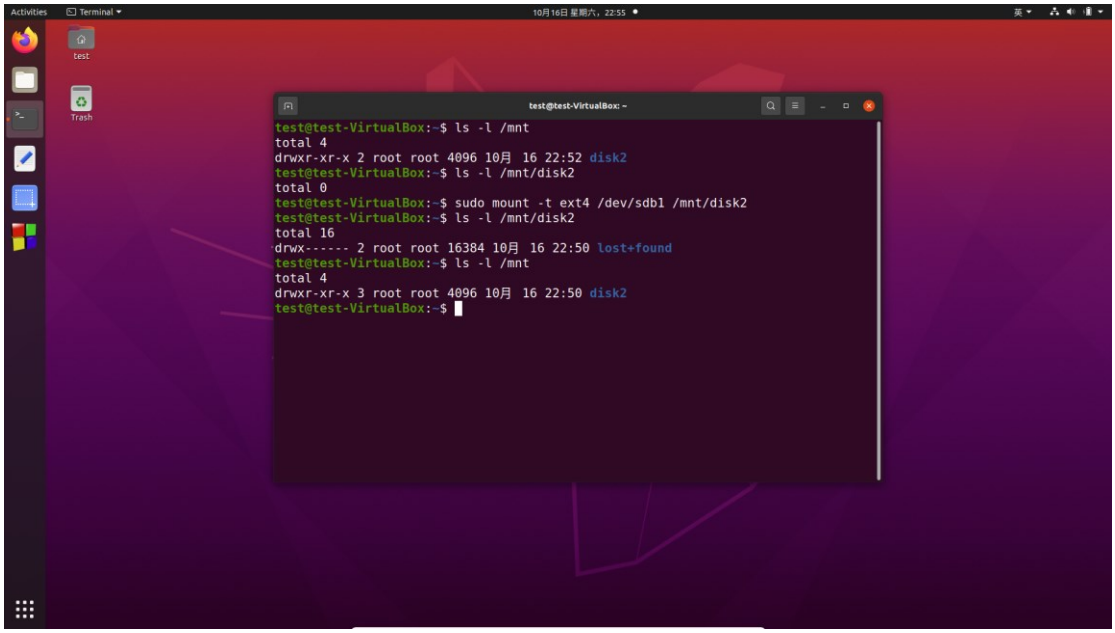
mount the new disk to specified directory

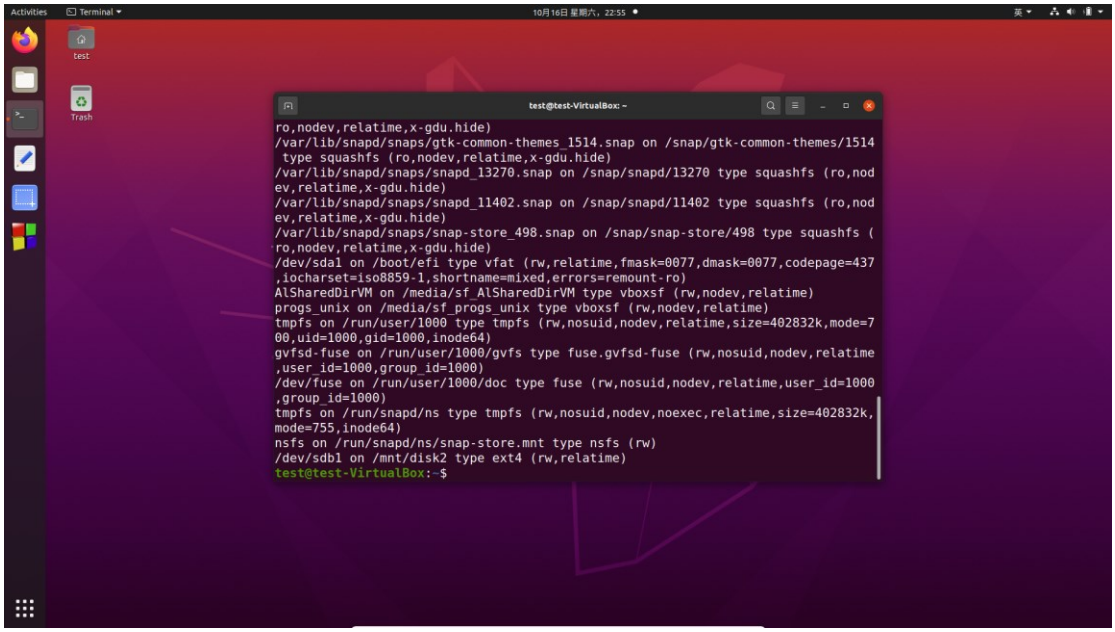


sudo mkdir -p /mnt/disk2

ls -l /mnt
ls -l /mnt/disk2

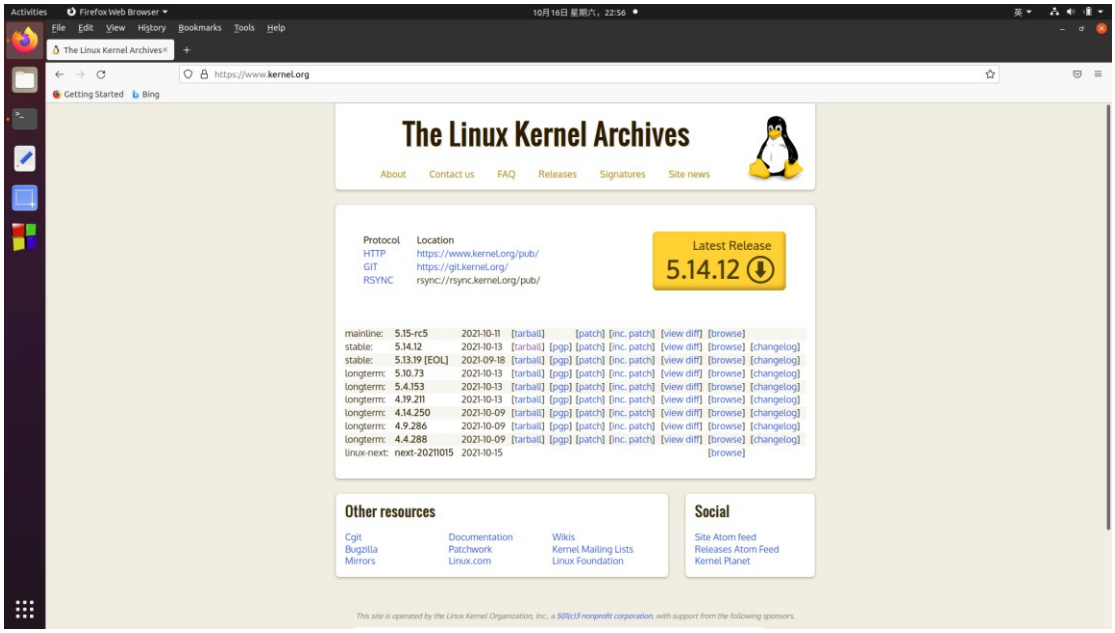
sudo mount -t ext4 /dev/sdb1 /mnt/disk2



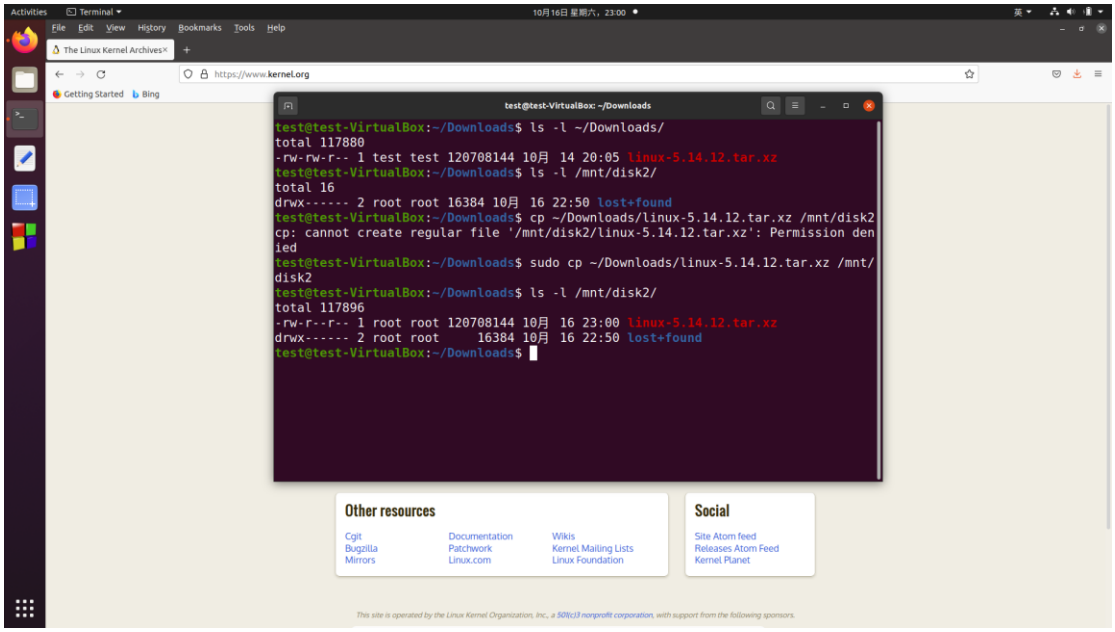


use it

download the latest linux kernel

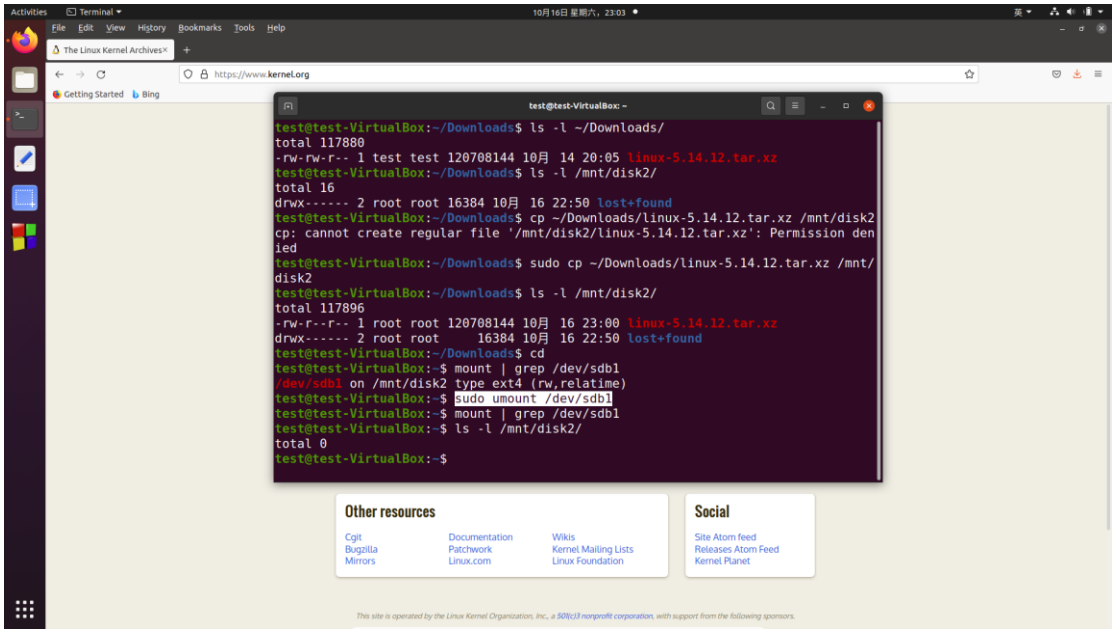


sudo cp ~/Downloads/linux-5.14.12.tar.xz /mnt/disk2



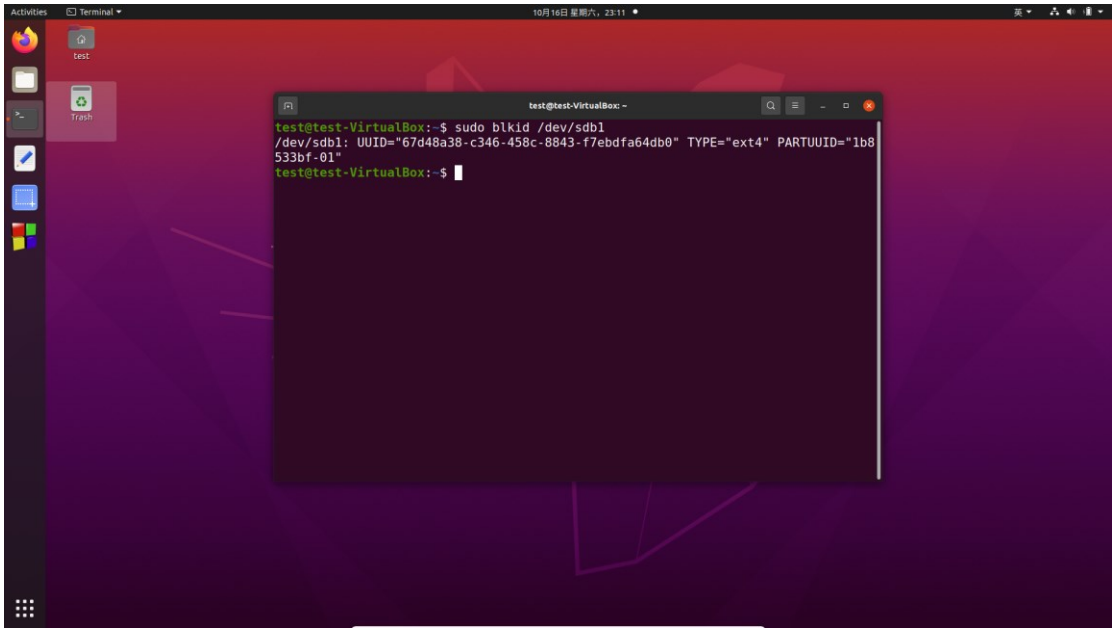
umount the new partition

sudo umount /dev/sdb1

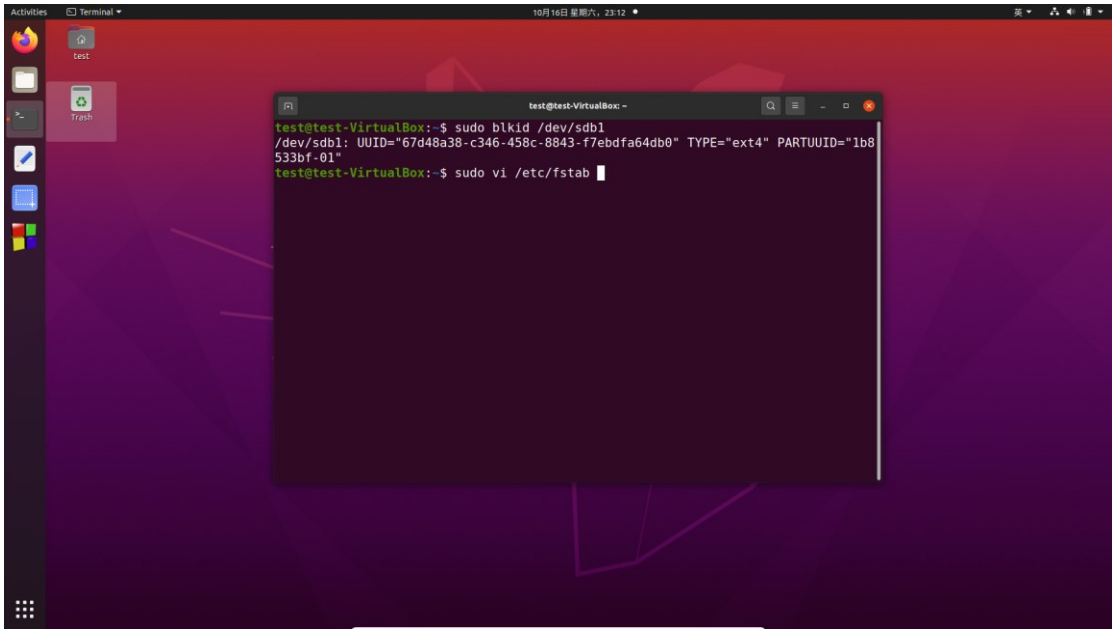


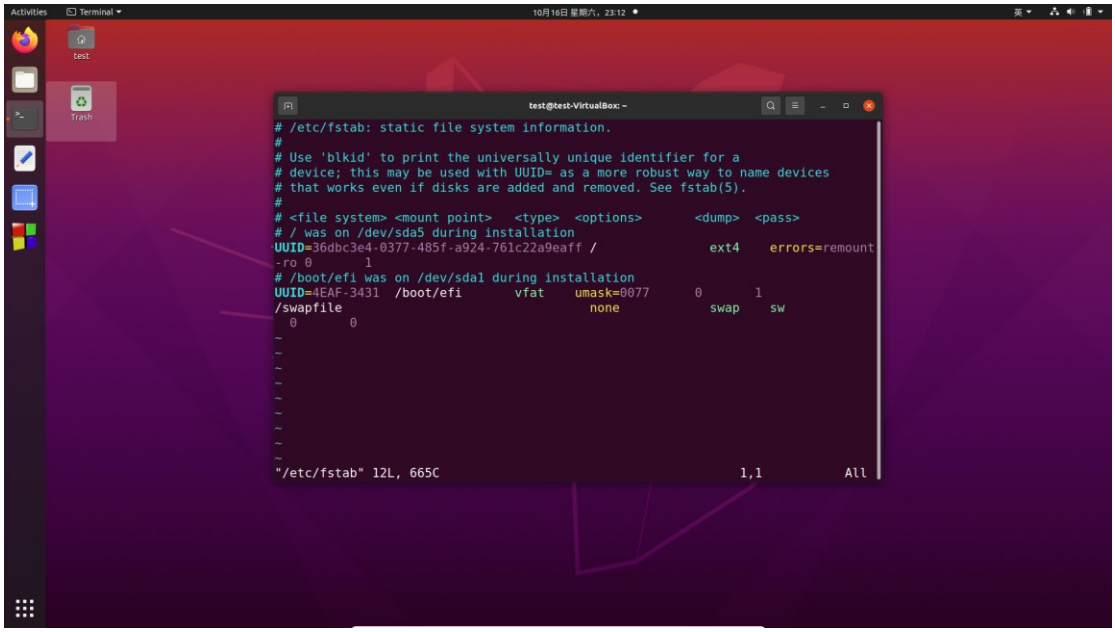
auto mount

$ sudo blkid /dev/sdb1
/dev/sdb1: UUID="67d48a38-c346-458c-8843-f7ebdfa64db0" TYPE="ext4" PARTUUID="1b8533bf-01"
$



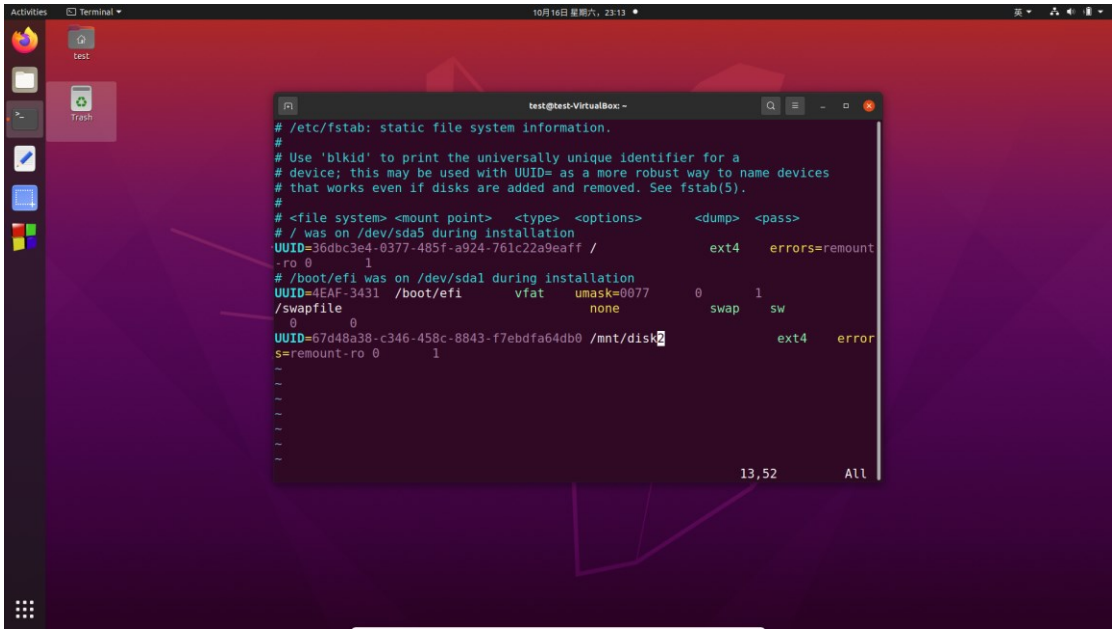
sudo vi /etc/fstab



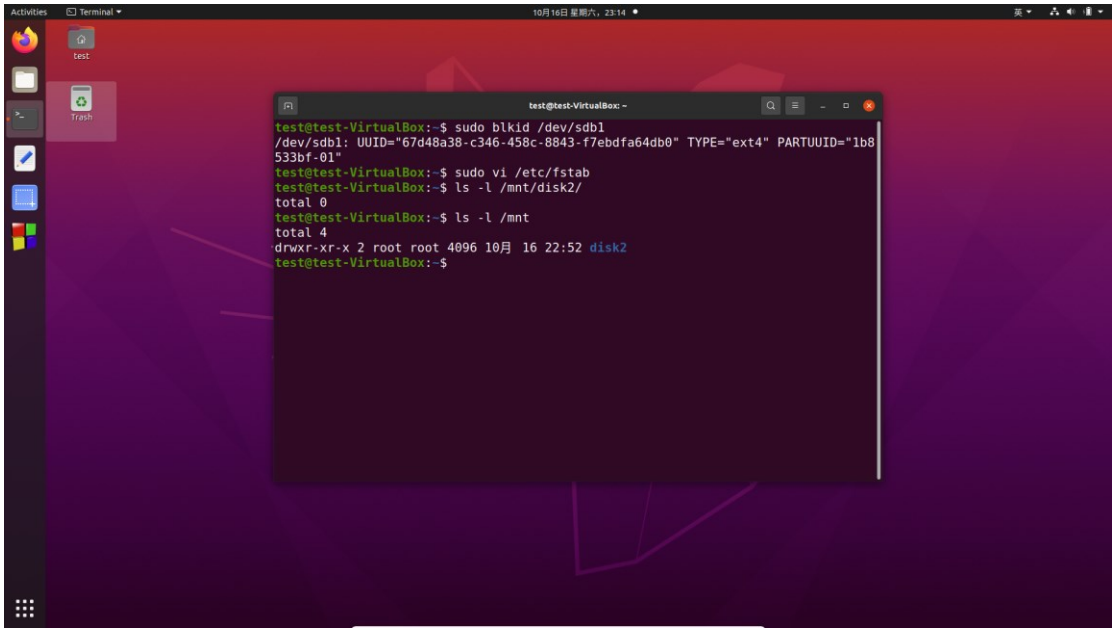


Add a new line:

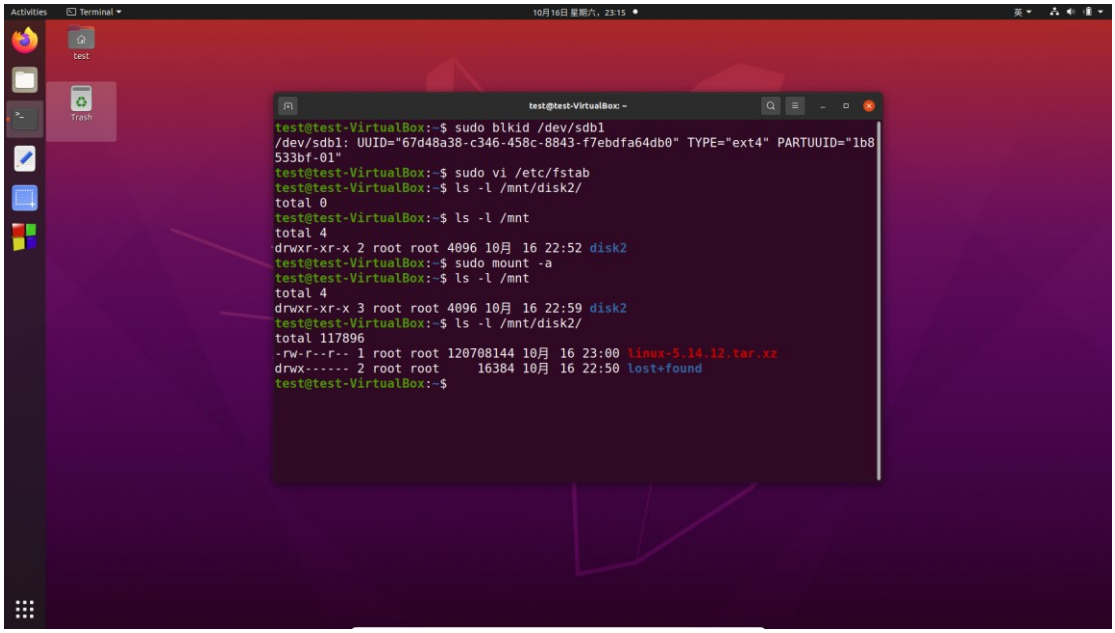
UUID=67d48a38-c346-458c-8843-f7ebdfa64db0 /mnt/disk2 ext4 errors=remount-ro 0 1



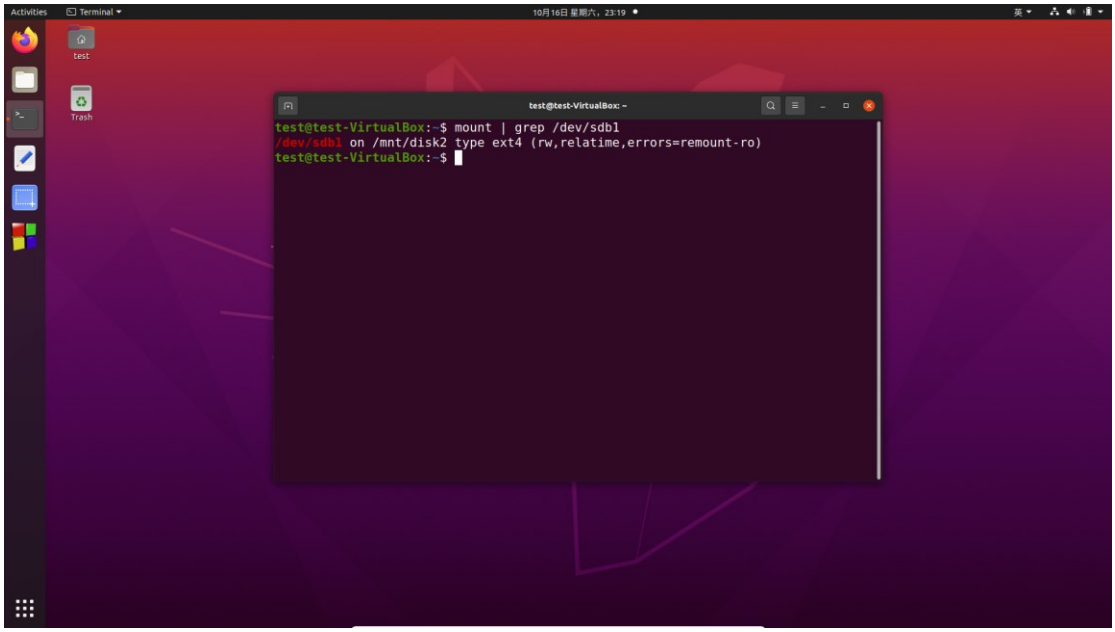
Auto remount:



$ sudo mount -a



Reboot and check it again:
$ mount | grep /dev/sdb1



End.