



## Steps To Add a New Drive In Linux

### identify the drive

```
lsblk  
sudo smartctl -a | grep -i model  
WARNING /dev/sda designations can change at boot time
```

### partition

```
sudo parted /dev/sda mklabel gpt  
sudo parted -a opt /dev/sda mkpart primary ext4 0% 100%  
sudo mkfs.ext4 -L partitionname /dev/sda1
```

### change the partition uuid to something silly

```
tune2fs -U d3adf00d-a933-4921-900b-d04ff0b53e21 /dev/sda1
```

### update fstab to auto mount

```
mkdir /mnt/deadfooddrive  
vim /etc/fstab
```

```
UUID=d3adf00d-a933-4921-900b-d04ff0b53e21 /media/deadfooddrive/ ext4 defaults 0 2
```

```
sudo mount -a
```

### sources

Digital Ocean  
Tecmint