

# Show Hard Disk Size Linux

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## Overview

Just a quick note on how to show the entire disk size in Linux, rather than just the partitions.

```
fdisk -l | grep '^Disk'
```

## Example

```
fdisk -l | grep '^Disk'

Disk /dev/sda: 465.76 GiB, 500107862016 bytes, 976773168 sectors
Disk model: Samsung SSD 850
Disklabel type: dos
Disk identifier: 0x1f26beb5
Disk /dev/mapper/almalinux-root: 70 GiB, 75161927680 bytes, 146800640 sectors
Disk /dev/mapper/almalinux-swap: 7.79 GiB, 8367636480 bytes, 16343040 sectors
Disk /dev/mapper/almalinux-home: 386.96 GiB, 415500337152 bytes, 811524096 sectors
```

The first line in the output shows the hard disk size:

Disk /dev/sda: **465.76 GiB**, 500107862016 bytes, 976773168 sectors

The remaining three lines are the partitions within that disk:

Disk /dev/mapper/almalinux-root: **70 GiB**, 75161927680 bytes, 146800640 sectors Disk /dev/mapper/almalinux-swap: 7.79 GiB, 8367636480 bytes, 16343040 sectors Disk /dev/mapper/almalinux-home: **386.96 GiB**, 415500337152 bytes, 811524096 sectors.

The three partitions are **70GB + 7.79Gb + 70GB = 464.75GB** which is the disk size (all bar 1MB)

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