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Linux View Hard Drive Partitions with fdisk and parted commands

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Q. I'd like to see all the partitions on my scsi hard drives. Under Windows Disk manager shows exactly how space is allocated on the disk drivers and free space etc. How do I display hard drive partitions information?

A. You can use any one of the following command:
[a] **fdisk command** : Partition table manipulator for Linux
[b] **GNU Parted** : a partition manipulation program

[1]

fdisk -l command

To list the partition tables for the specified devices and then exit. If no devices are given, those mentioned in /proc/partitions (if that exists) are used i.e. it will try to display all partitions, enter:

```
$ sudo fdisk -l
```

OR

```
# fdisk -l
```

Output

```
Disk /dev/sda: 500.1 GB, 500107862016 bytes
255 heads, 63 sectors/track, 60801 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Disk identifier: 0x000f1a3e

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1   *           1       12749   102400000    7  HPFS/NTFS
/dev/sda2           12750       24906    97651102+  83  Linux
/dev/sda3           24907       25149     1951897+  82  Linux swap / Solaris
/dev/sda4           25150       60802   286375936    f  W95 Ext'd (LBA)
/dev/sda5           25150       60802   286374912    7  HPFS/NTFS
```

GNU parted command

Pass print option to displays the partition table, enter:

```
$ sudo parted /dev/sda print
```

Output:

```
Disk /dev/sda: 500GB
Sector size (logical/physical): 512B/512B
Partition Table: msdos

Number  Start   End     Size    Type      File system  Flags
 1      1049kB  105GB   105GB   primary   ntfs         boot
 2      105GB   205GB   100GB   primary   ext3
 3      205GB   207GB   1999MB  primary   linux-swap
 4      207GB   500GB   293GB   extended               lba
 5      207GB   500GB   293GB   logical   ntfs

Information: Don't forget to update /etc/fstab, if necessary.
```

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