

6. Monitoring Disk Utilization

How much free space each partition has?

```
df -h
```

- `-h` -> Human Readable (Bytes to GB)
in this way we can see which partition has the least free space and investigate into it. But there's a problem
and that we don't know which directories used up the most space. so we're gonna use `du`.

How much space each directory occupy?

For example if we want to know which directories in the root `/` occupy the most space we can use:

```
sudo du -chd 1 /
```

- `du` -> Disk utilization
- `-chd`
 - `c` -> Total used space
 - `h` -> Prints in a human readable
 - `d 1` -> Depth of scan (How deep `du` scans)

How to monitor the disk performance in real time?

```
sudo apt install iotop # Install iotop  
sudo iotop
```