

# (recap) Protection

## **File systems implement a protection system**

- Who can access a file
  - How they can access it
- ➔ A protection system dictates whether a given action performed by a given subject on a given object should be allowed
- You can read and/or write your files, but others cannot
  - You can read `/etc/motd`, but you cannot write it

# DAC vs MAC

## **DAC - Discretionary Access Control**

Users define their own policy on their own data

## **MAC - Mandatory Access Control**

The administrator defines a system level policy to control the propagation of data between users

➔ DAC and MAC are not exclusive and can be used together