(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