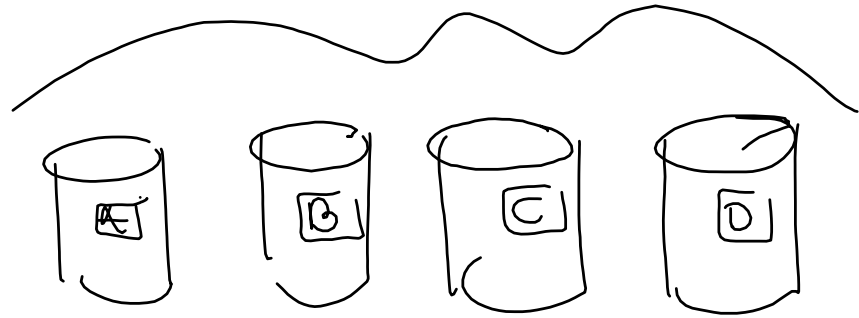


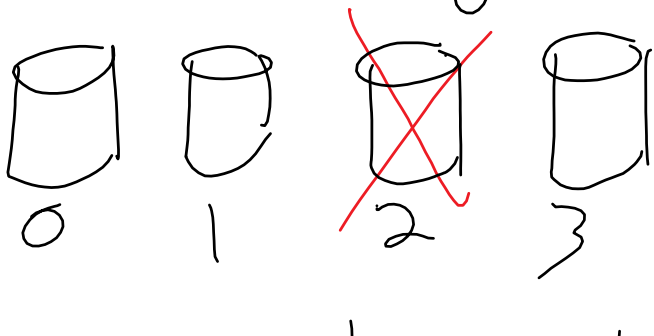
RAID

Logical structure

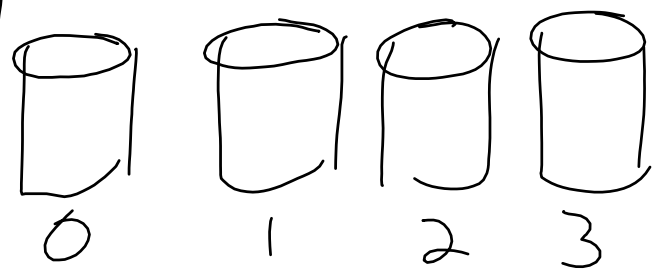


striping : ABCD speed

mirroring



copies



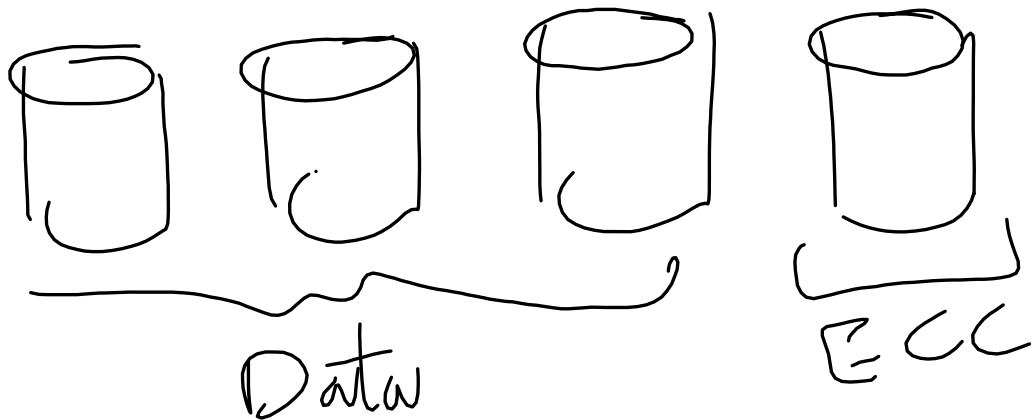
speed: load balance
protection: backup of data

Error Correcting Codes

parity

01011001

11011011

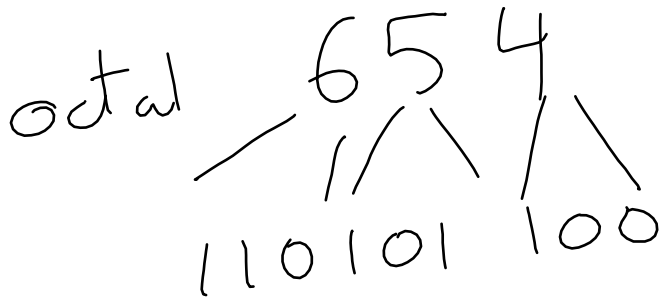


Files

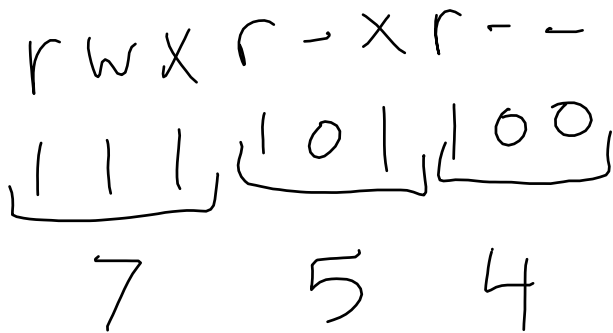
attributes

octal 0..7

0	000
1	001
2	010
3	011
4	100
5	101
6	110
7	111



0654

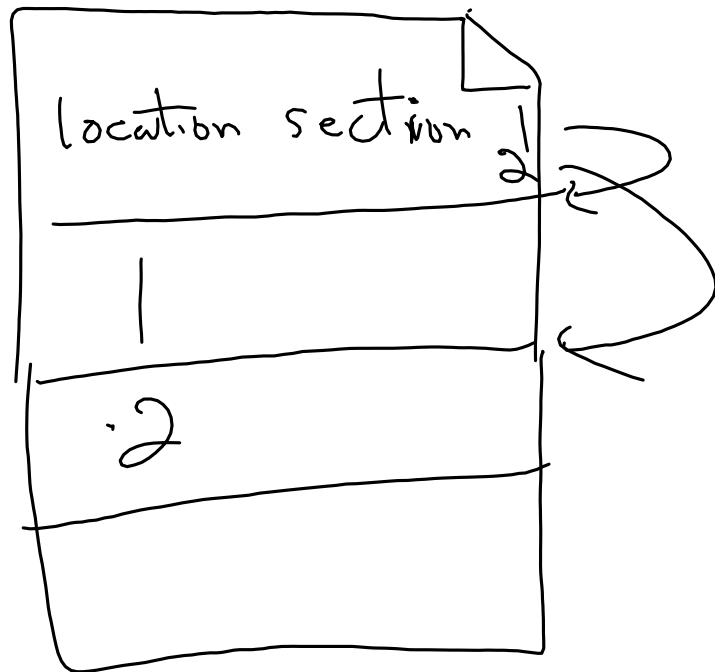


File VO

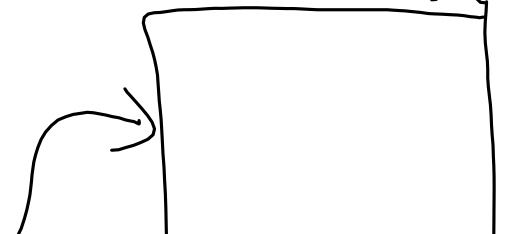
sequential

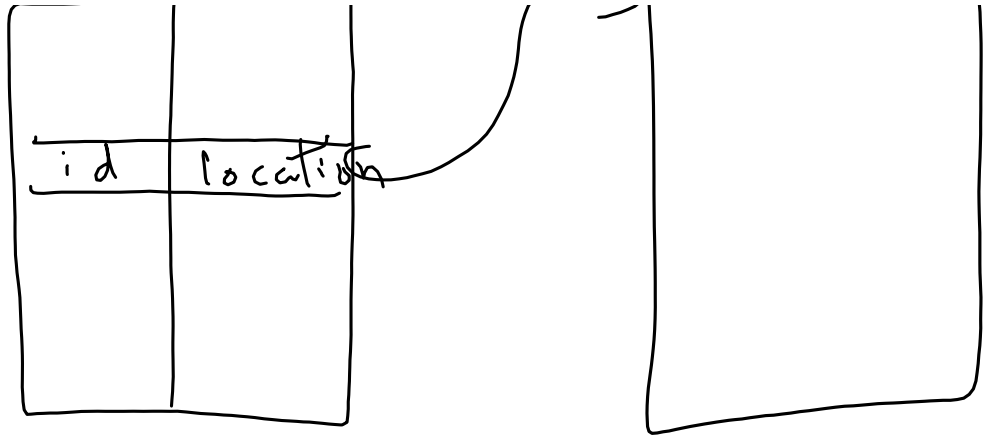


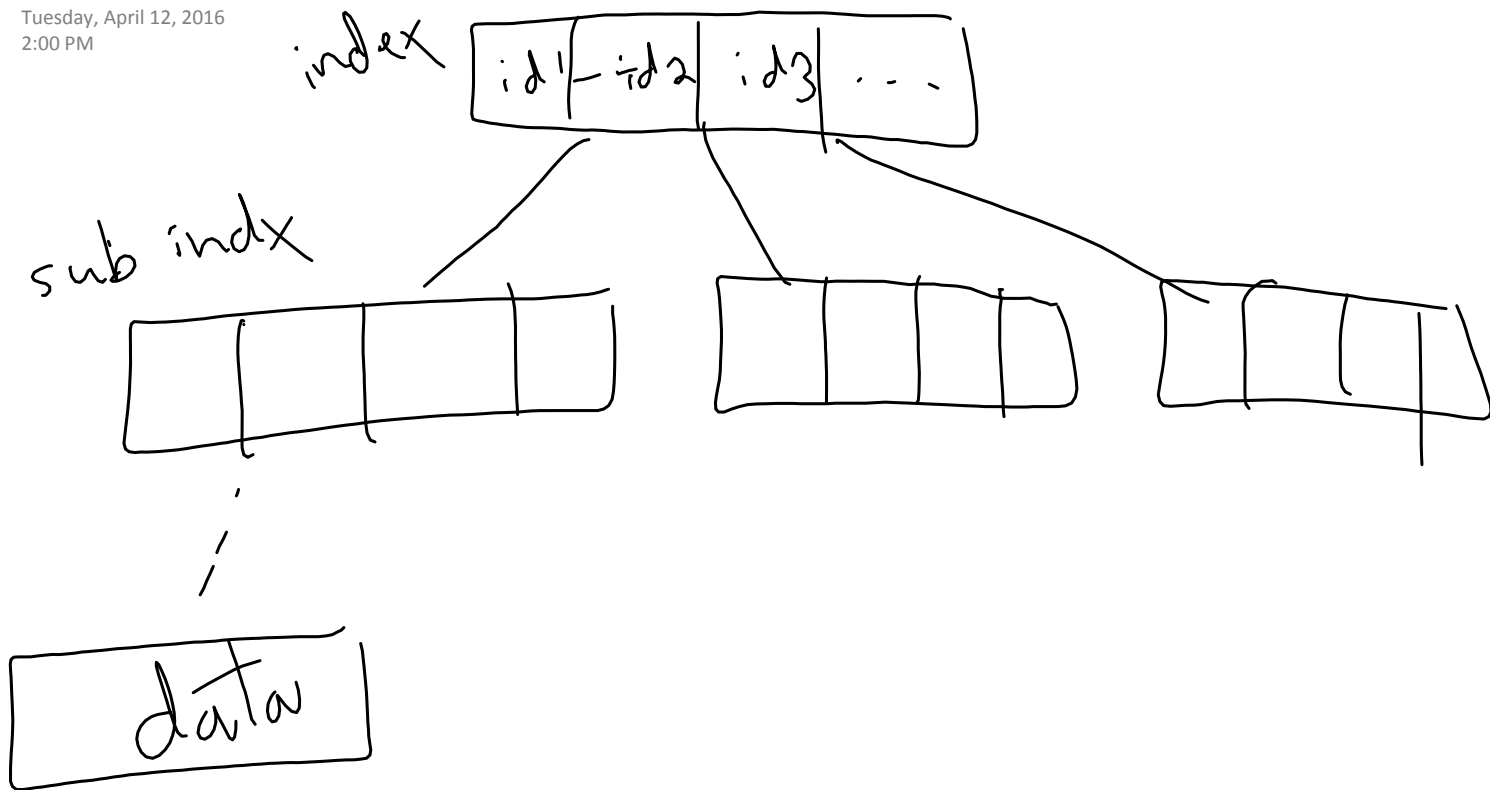
direct access



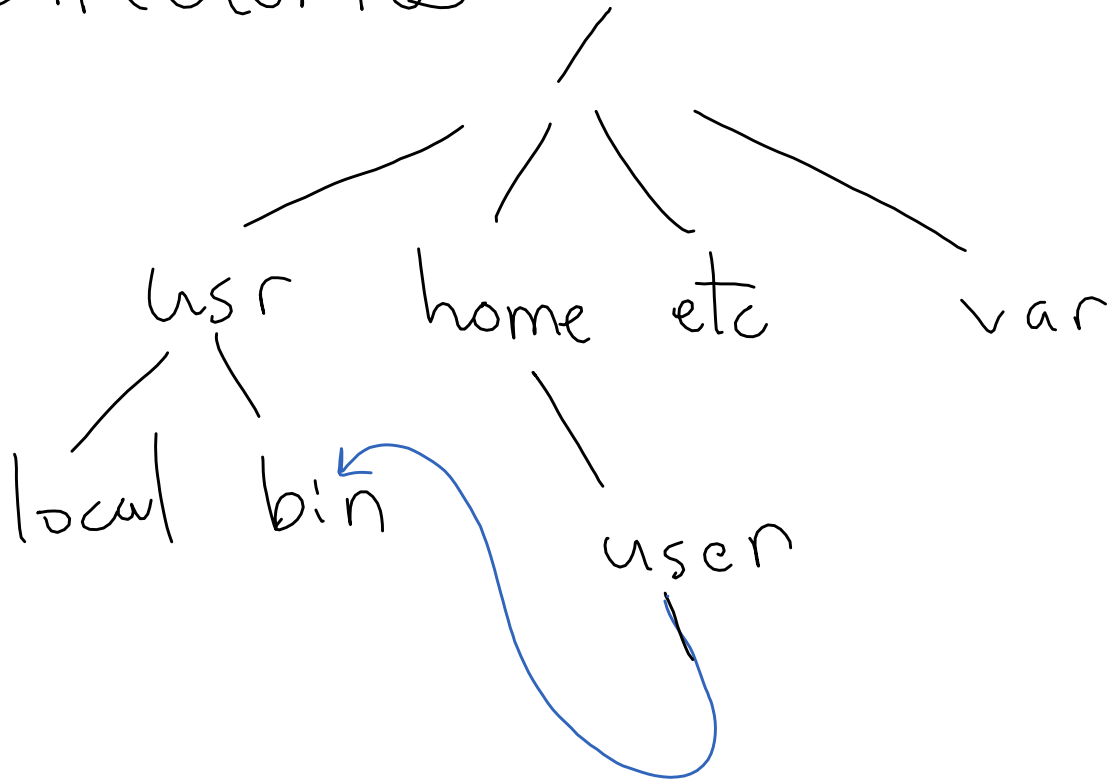
Indexed files



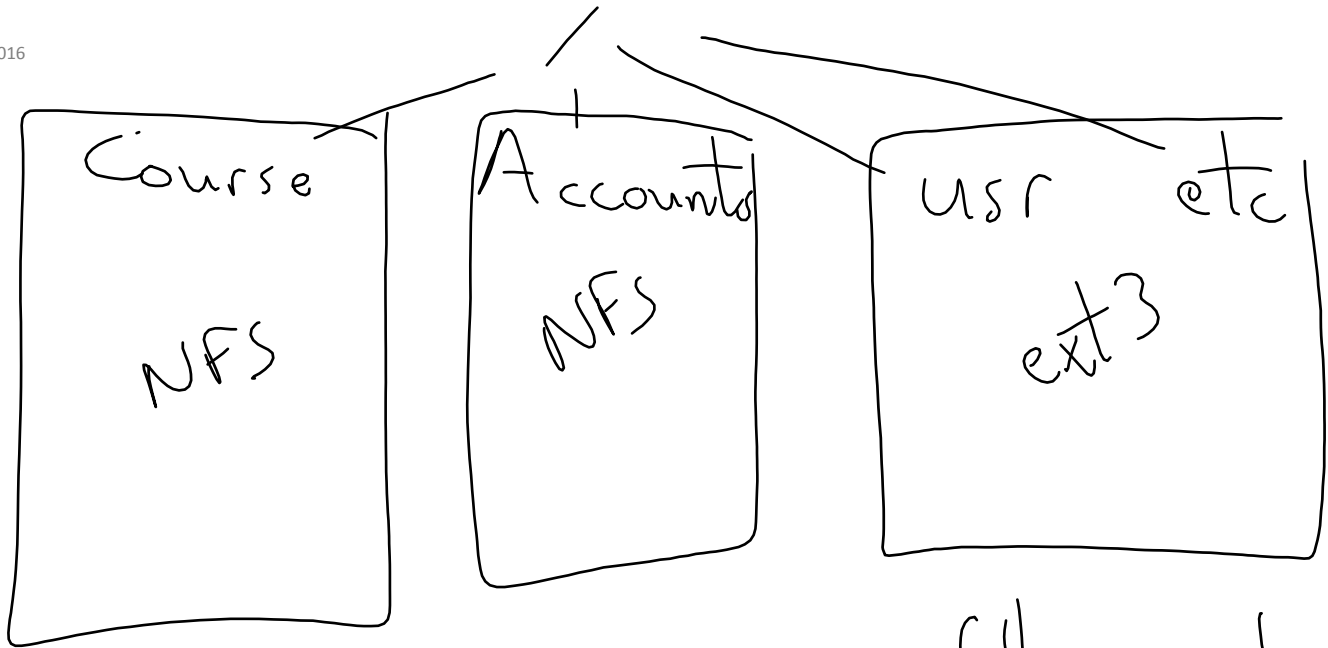




Directories



`ln -s <file> <name>`



interface : common file operation

Windows : CIFS (network)

Mac : hfs, zfs