Managing Storage

LVM & RAID

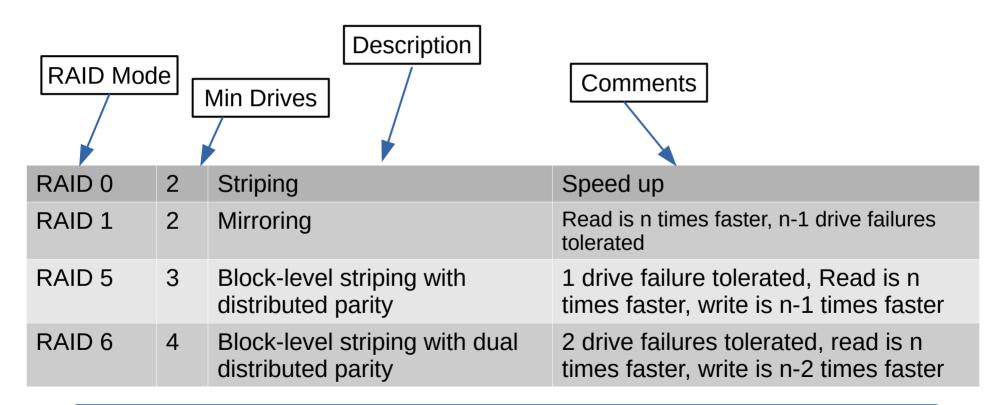
LVM

- Logical Volume Management
- Pooling multiple storage devices as a single logical volume
- lvm2 tools : create and manage virtual block devices from physical devices

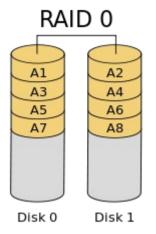
RAID

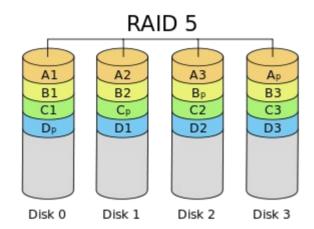
- Redundant Arrays of Independent Disks
- Distributing data over multiple discs for redundancy / speed / increased capacity
- Raid Controller: software or hardware

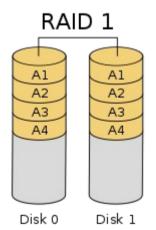
RAID modes

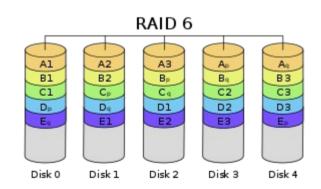


usable capacity < actual capacity











Ref: amazon.com

Images courtesy: Wikipedia