



Memory

I/O

Processor

Disk

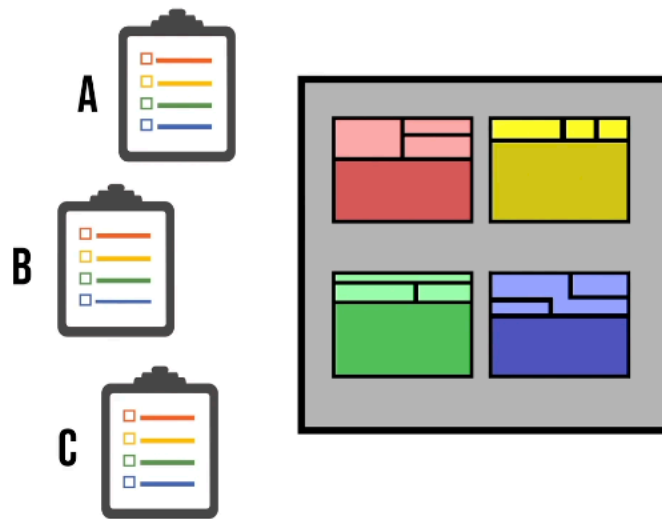
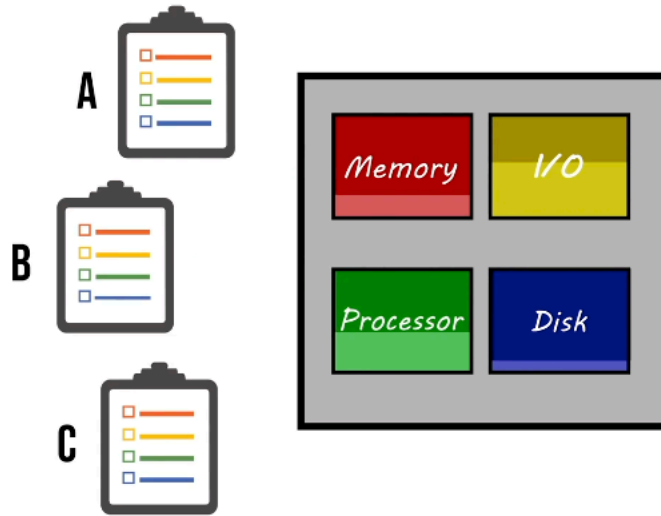


Memory

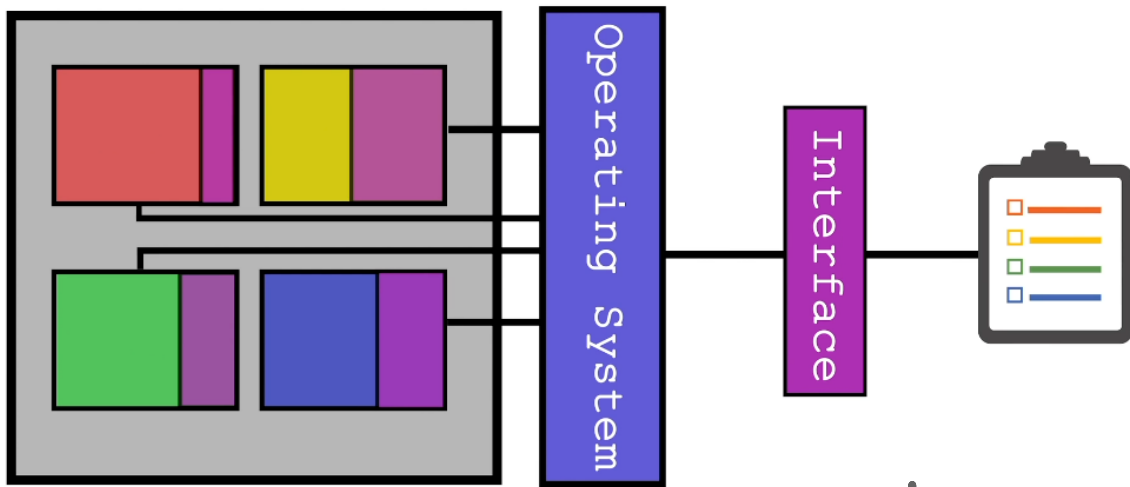
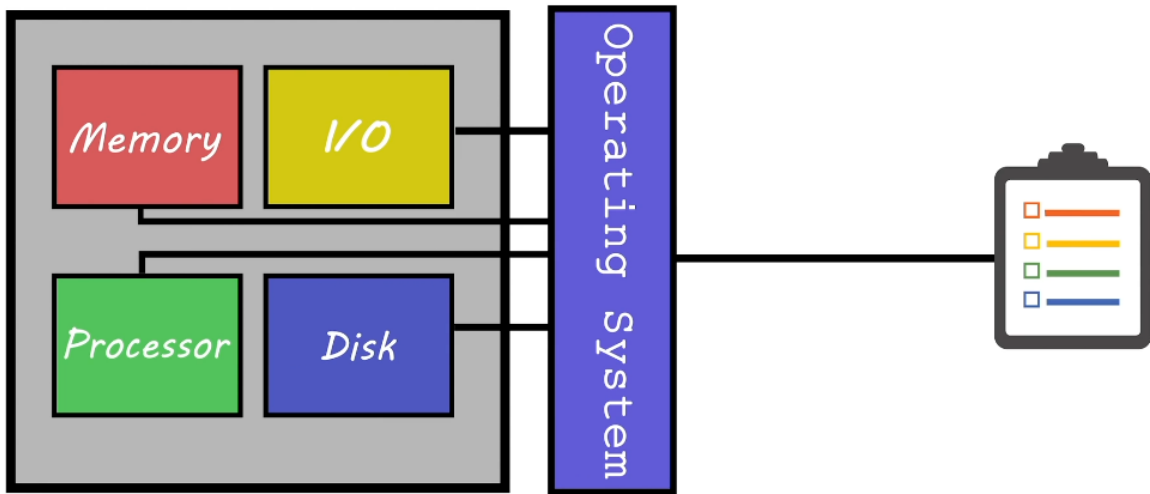
I/O

Processor

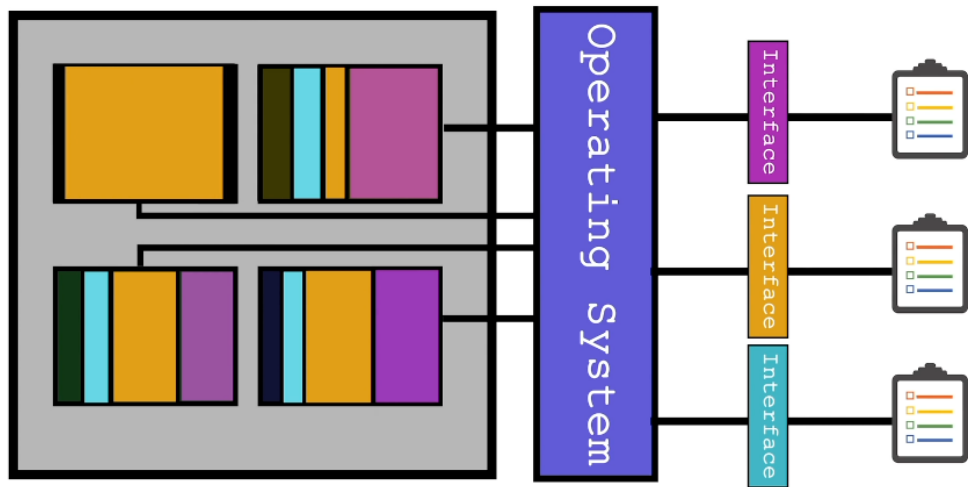
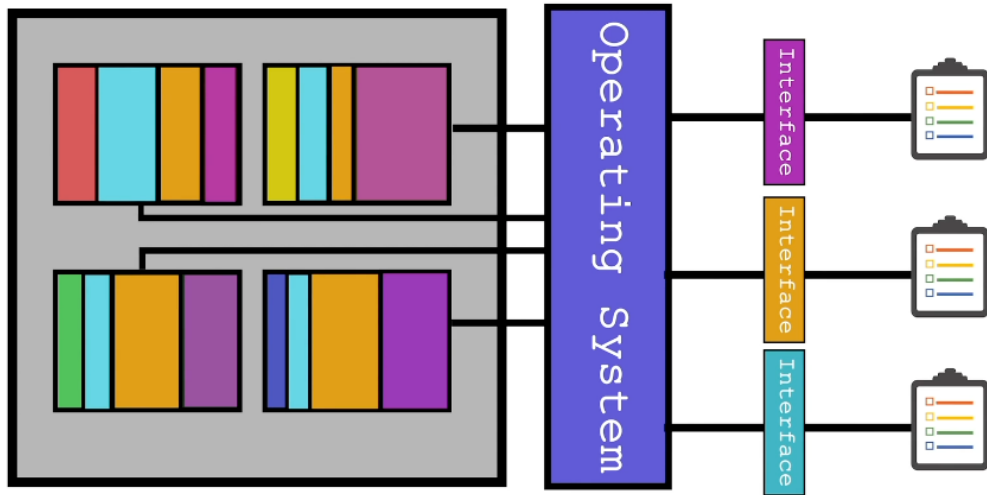
Disk



when multiple
apps are running,
need some isolation
among the apps.

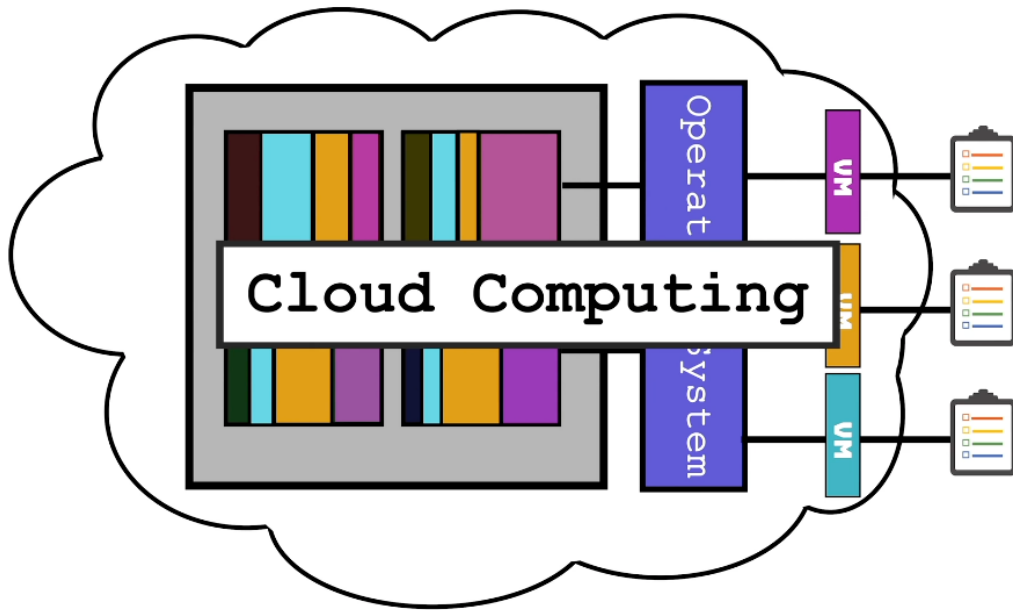
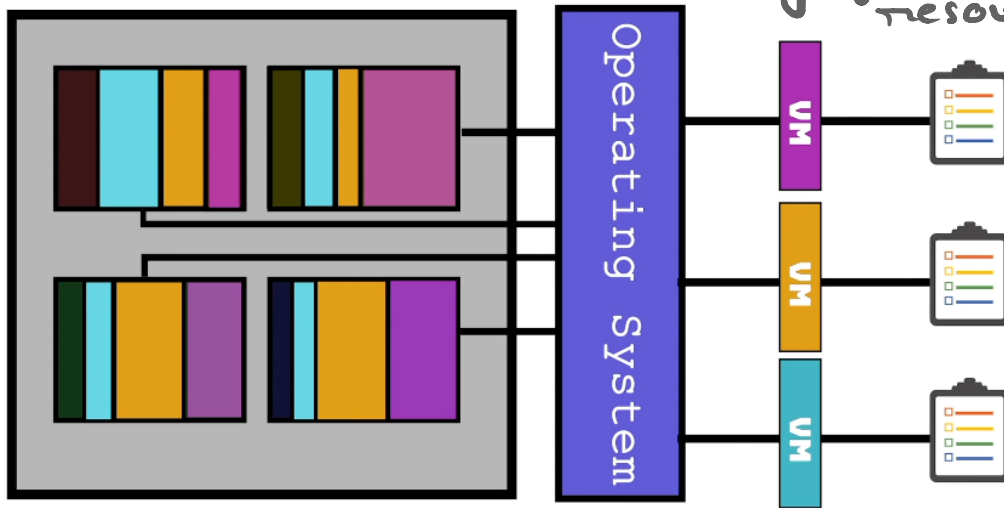


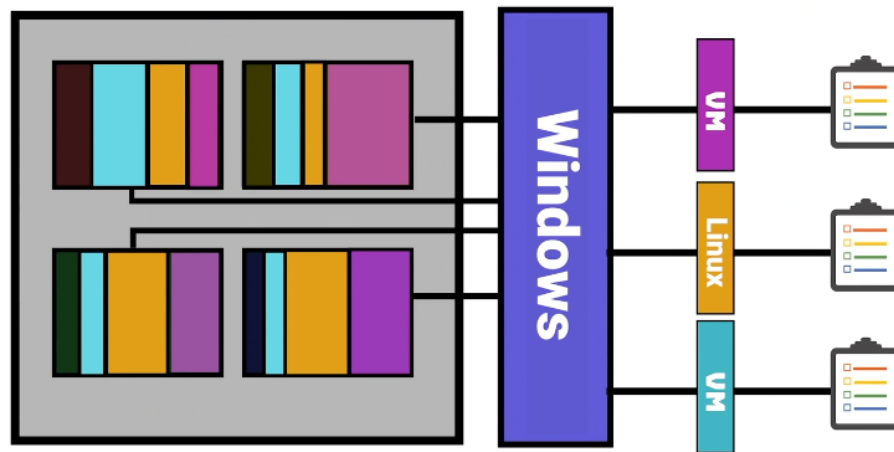
introduce
interface to generate
isolation



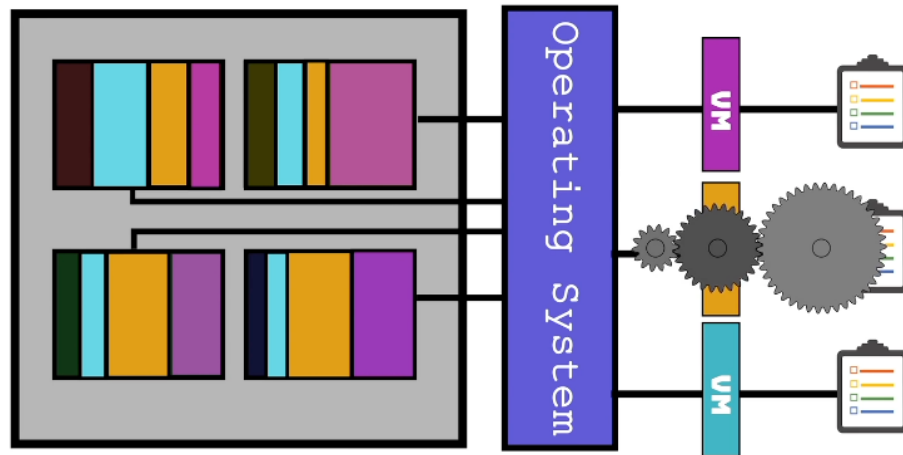
But the issue is one particular app might use up the whole resource (say memory) but other resources are available

Idea: create VM. VM run isolated on top of the OS. They give separate resources for the services.

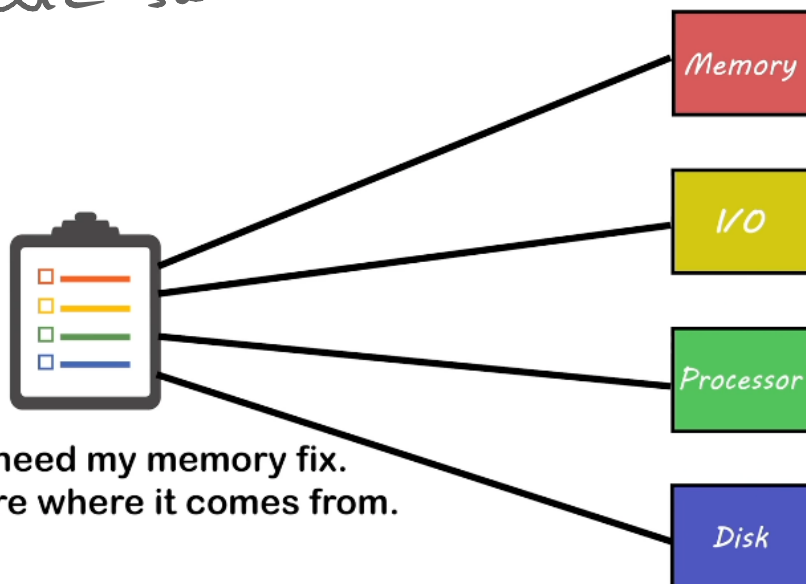




- 1) App Isolation
- 2) Platform Independence
- 3) Cost saving

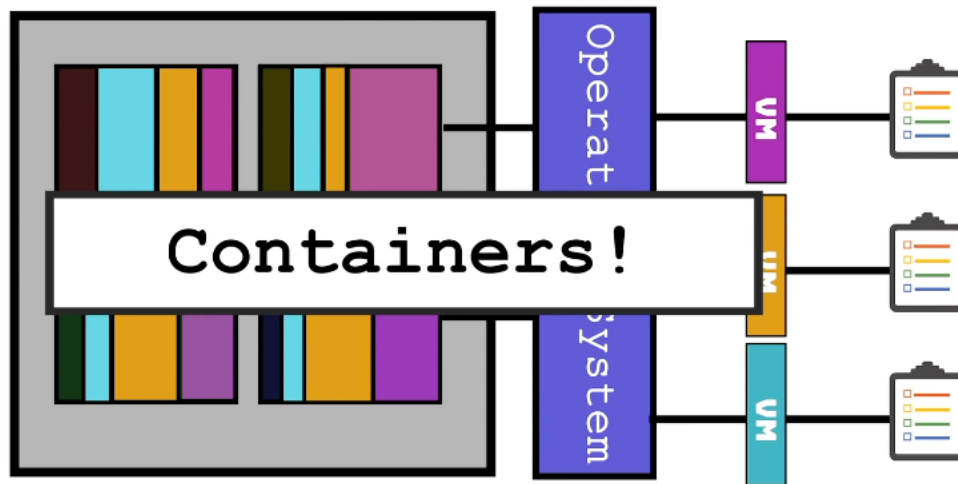
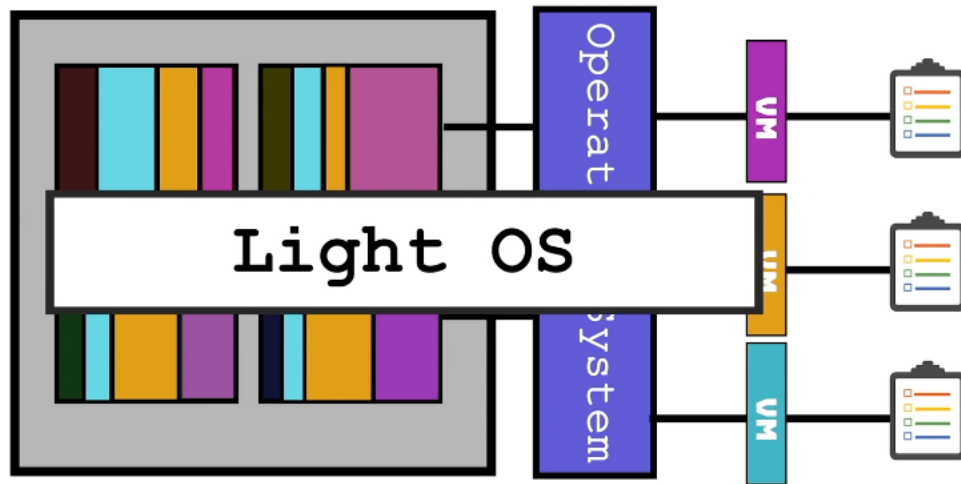


VMs take time to boot-up, so they are slow

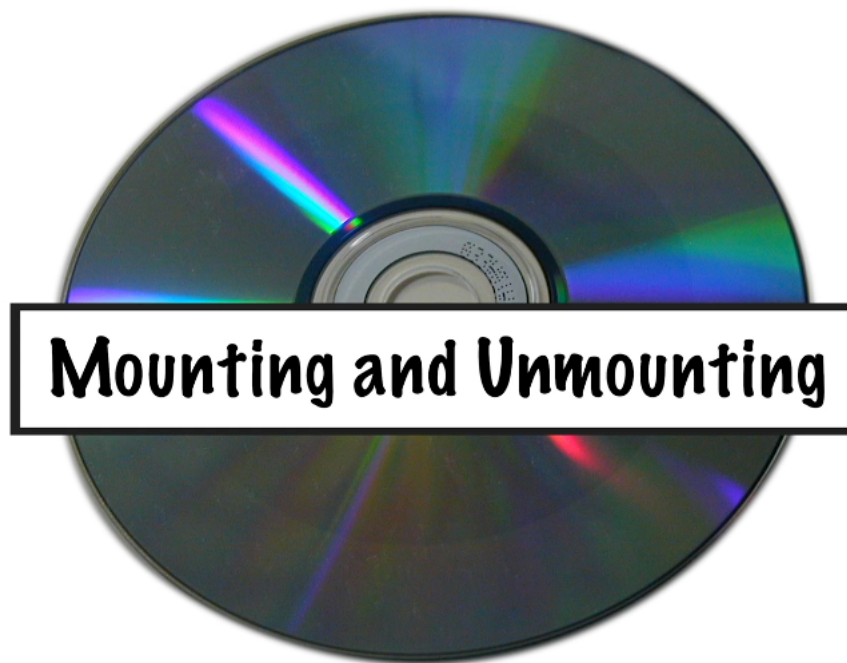
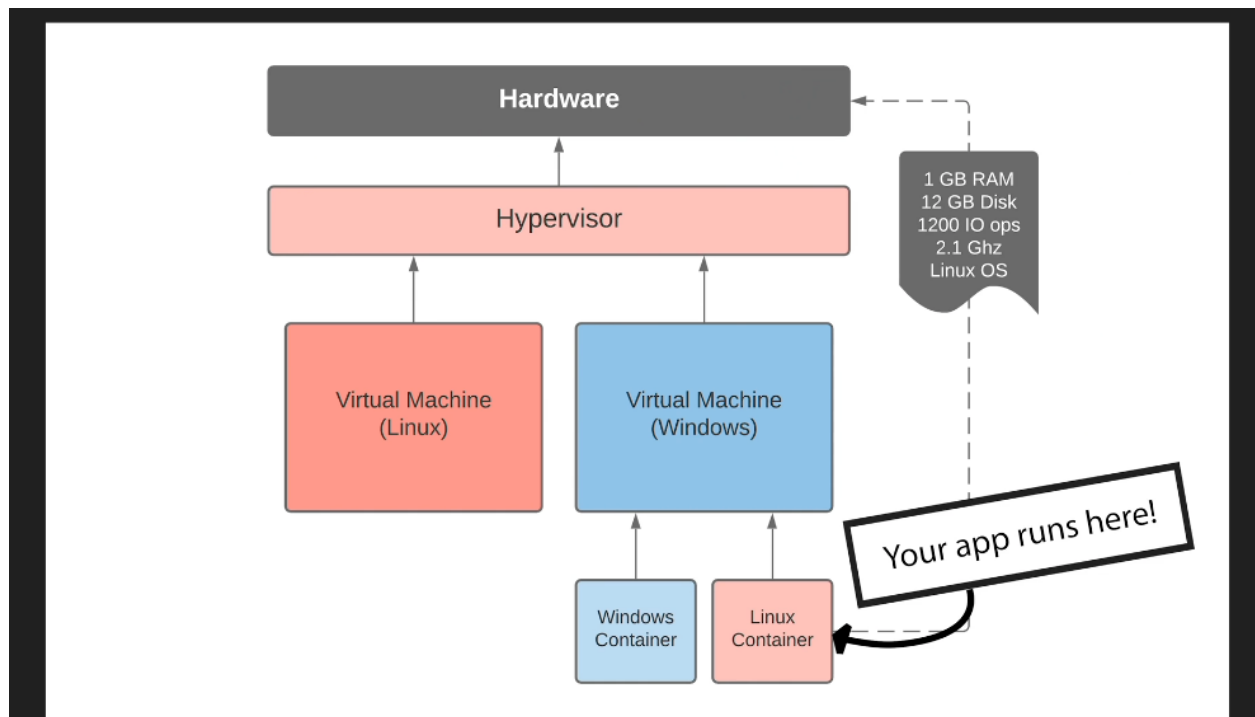


I just need my memory fix.
Don't care where it comes from.

Light OS was precursor to container.



Containers are light packages with all code dependency and subset of required OS. This pushes the OS requirements back to the developer. You specify things like, library, open port, configs etc.





Mounting and Unmounting

Requirements are defined by 'images',
which are mounted on containers.

