PREPARED BY
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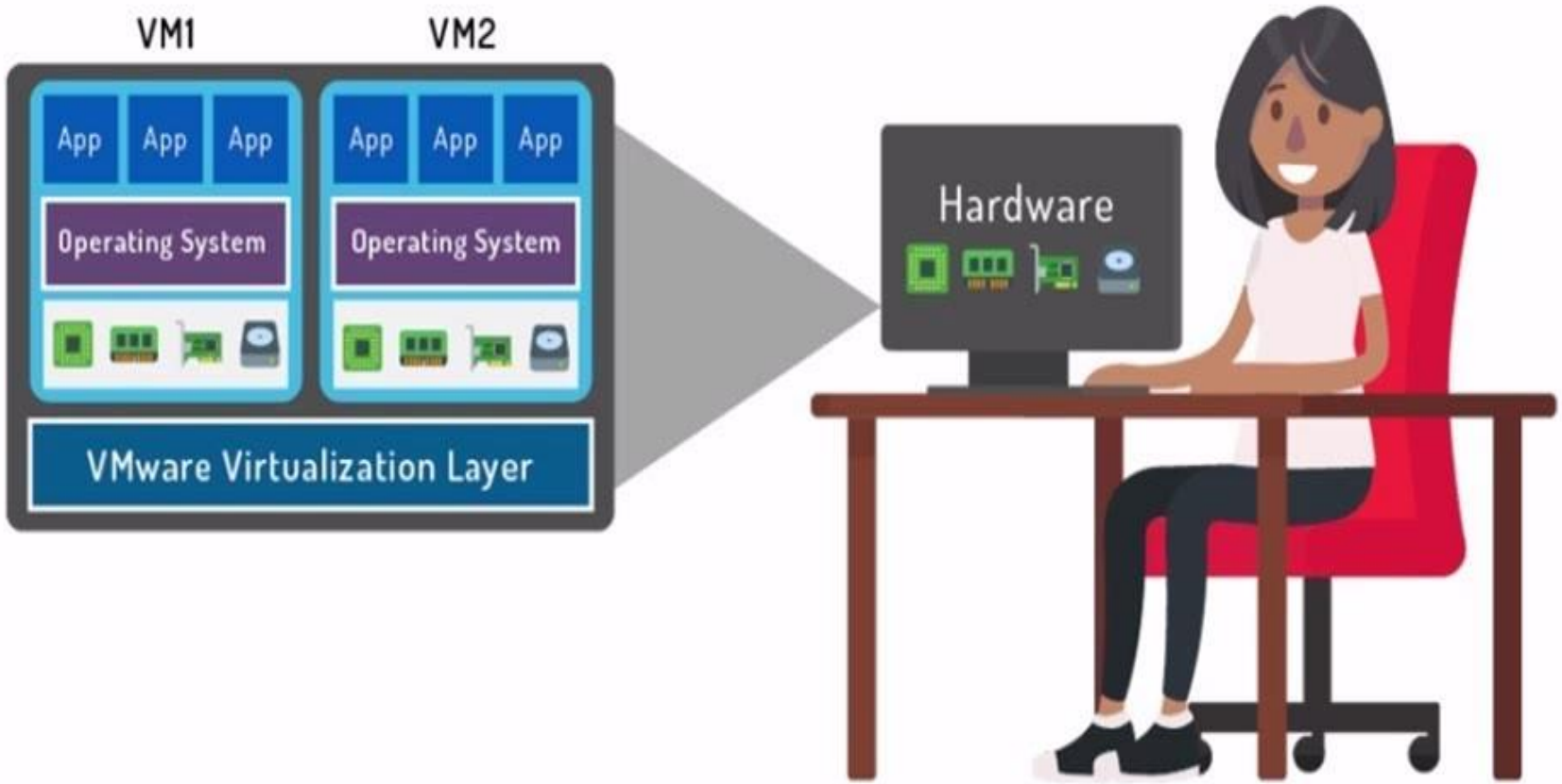
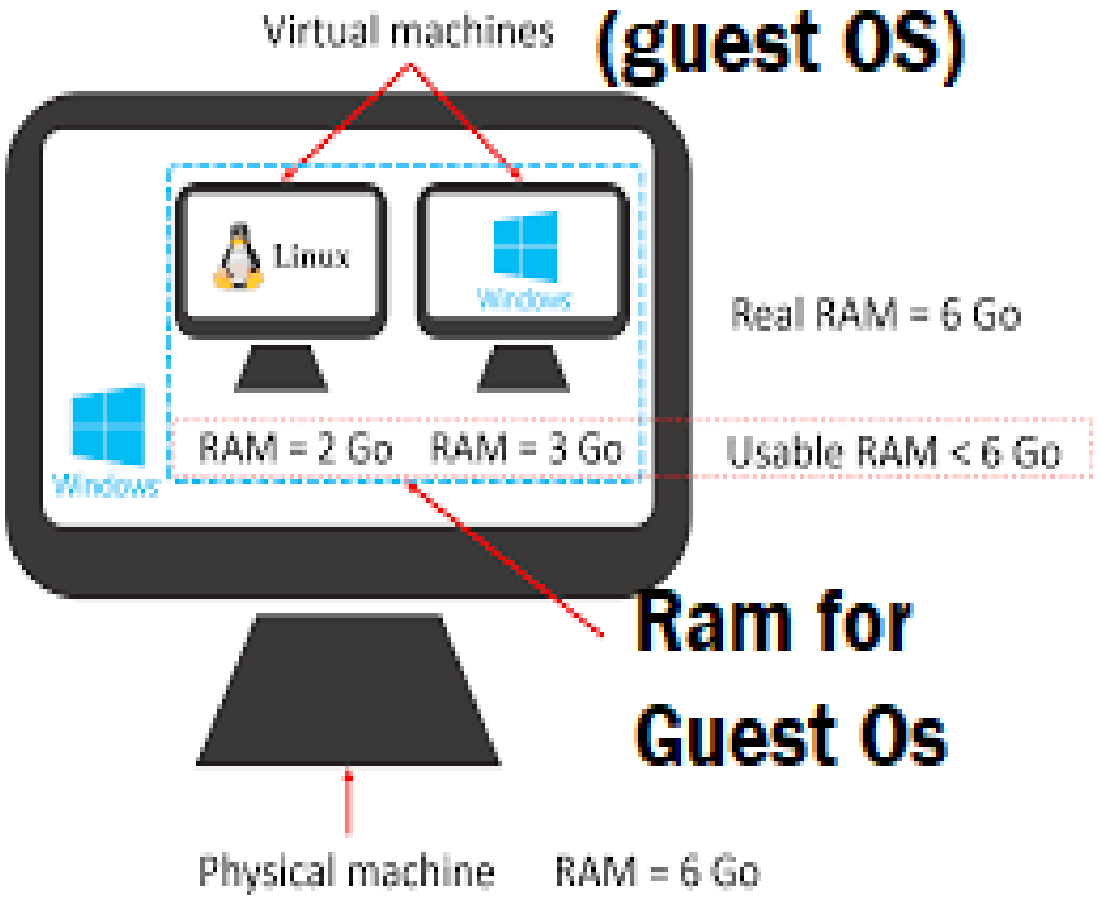
What is Virtualization?



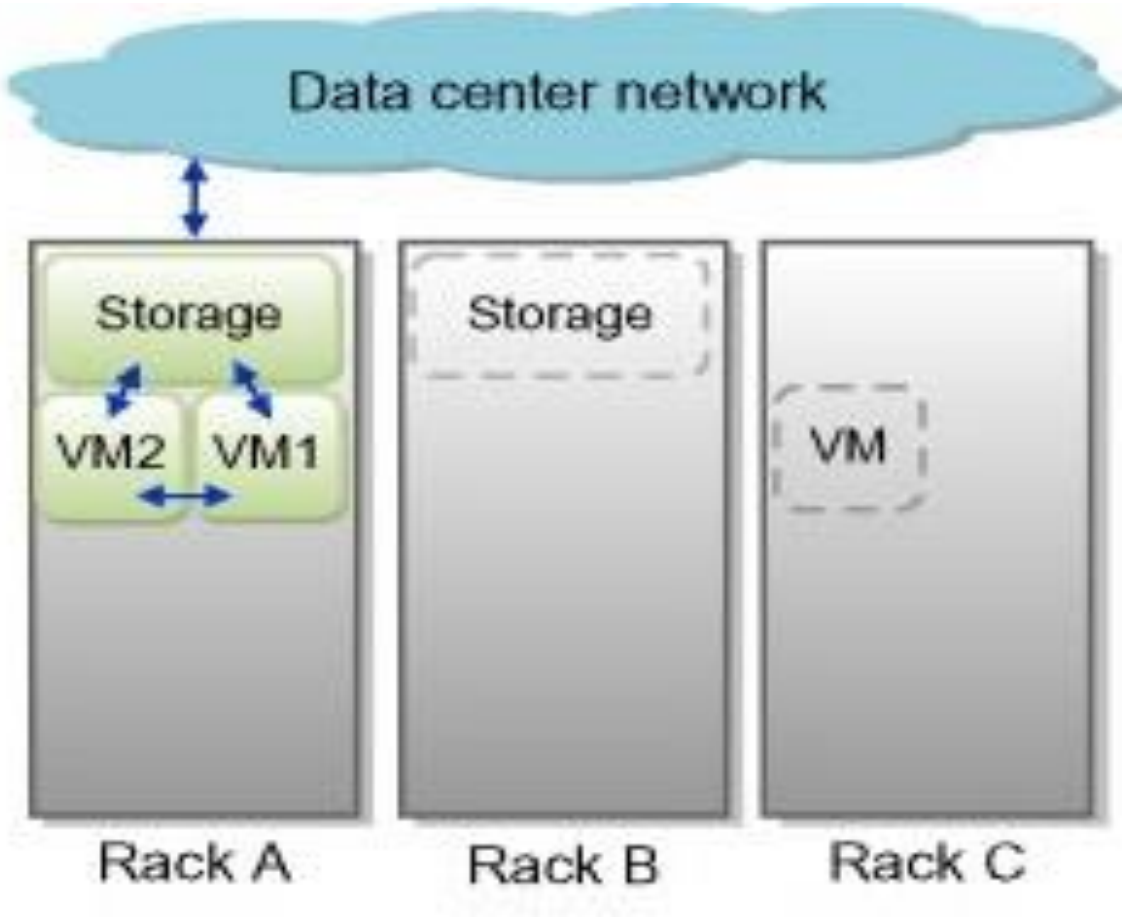
WORKSTATION 16 PRO™
DELL

VIRTUALIZATION



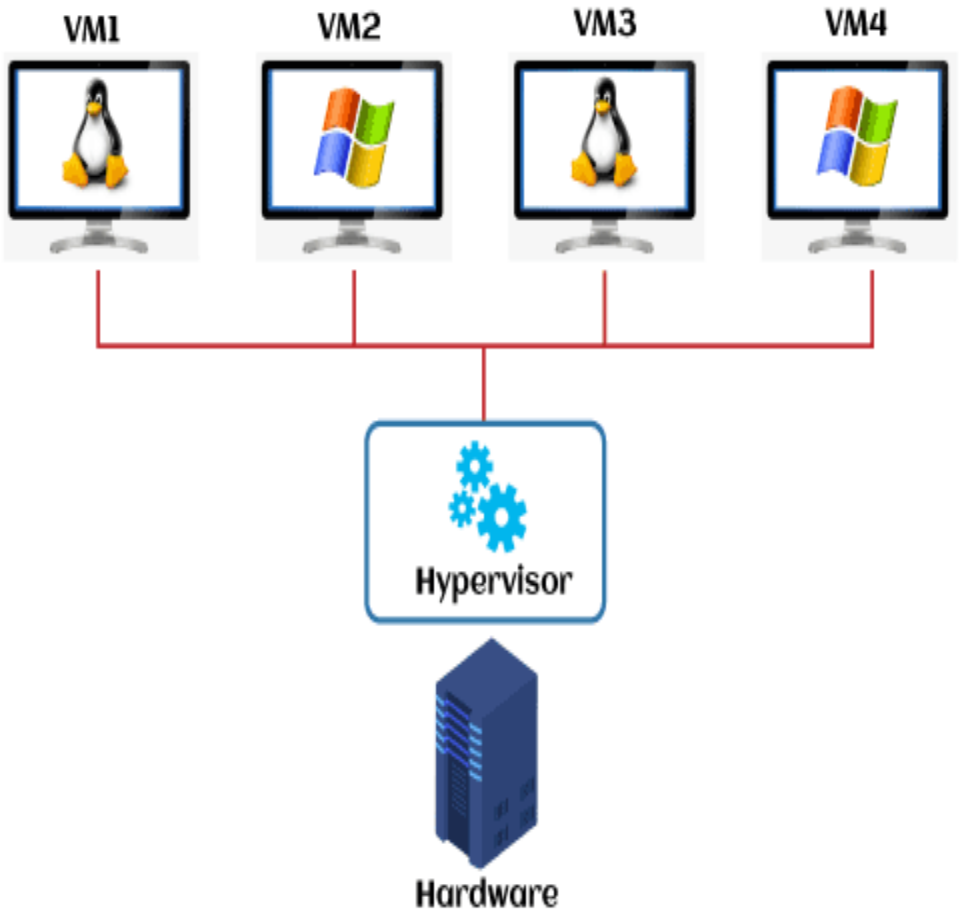
In computing, virtualization or virtualization is the act of creating a virtual version like virtual computer hardware platforms, storage devices, and computer network

PLACING VM IN DATACENTRE

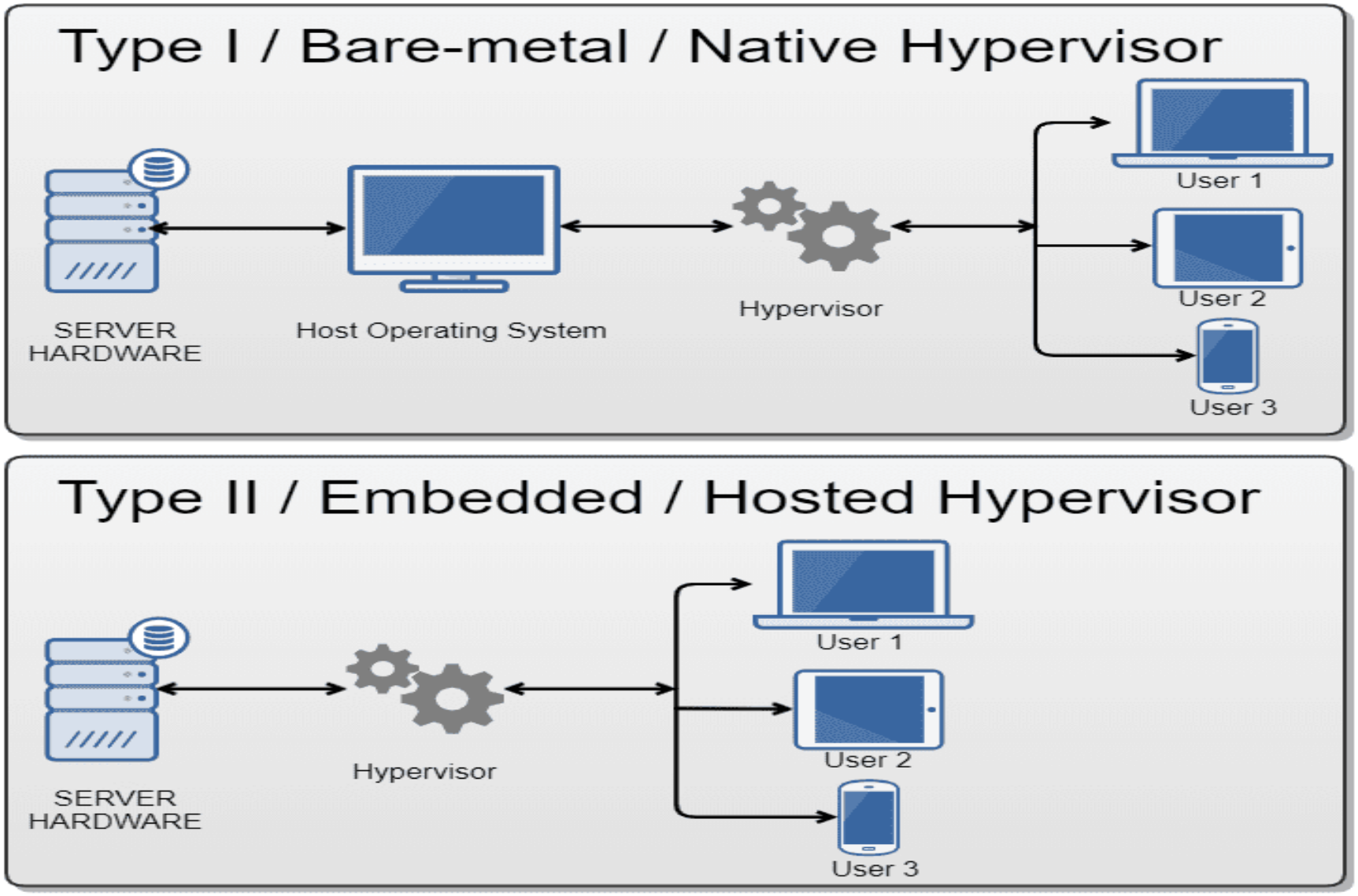


What is Hypervisor?

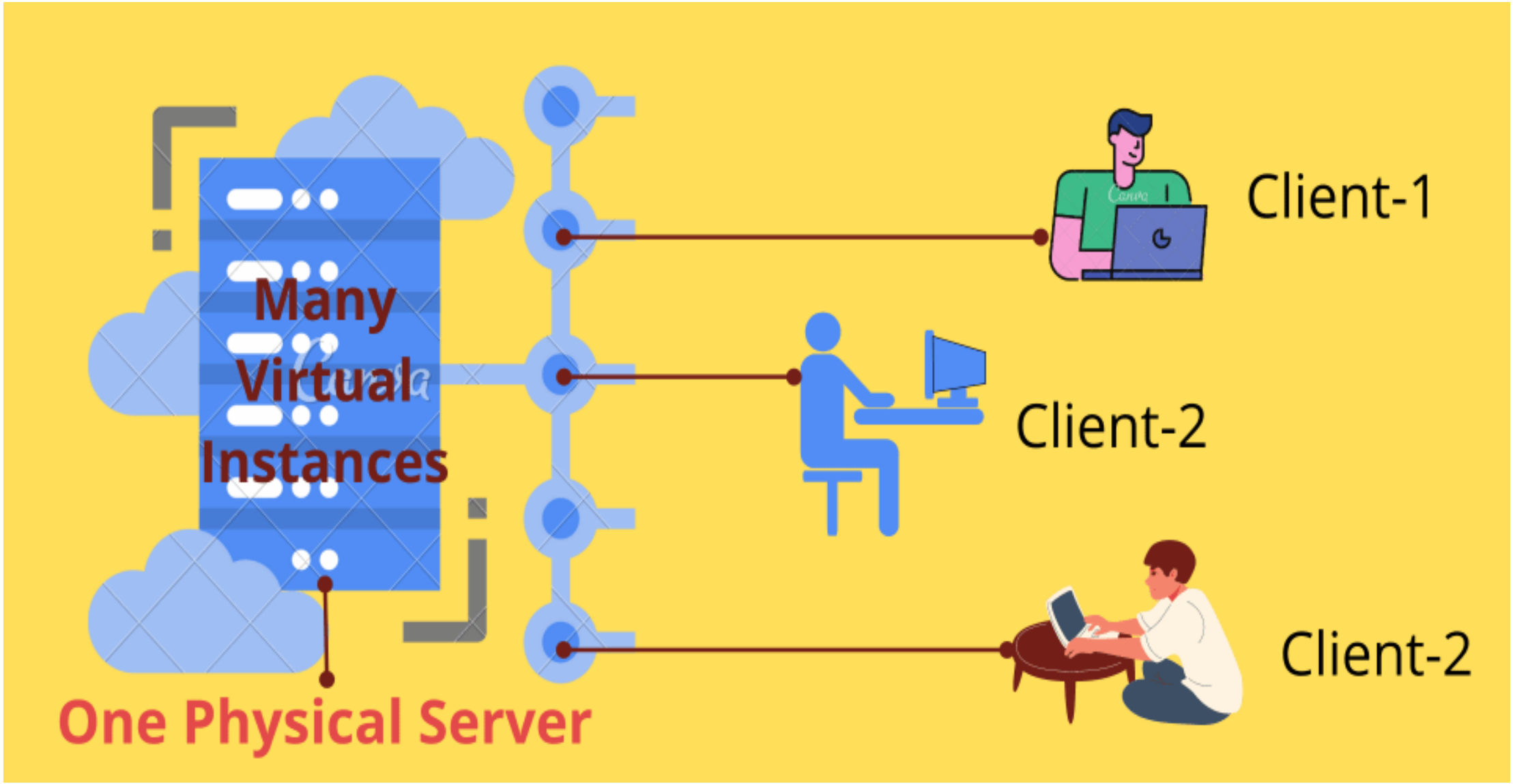
- A hypervisor allows one host computer to support multiple guest VMs by virtually sharing its resources, such as memory and processing.
- A hypervisor, also known as a virtual machine monitor.

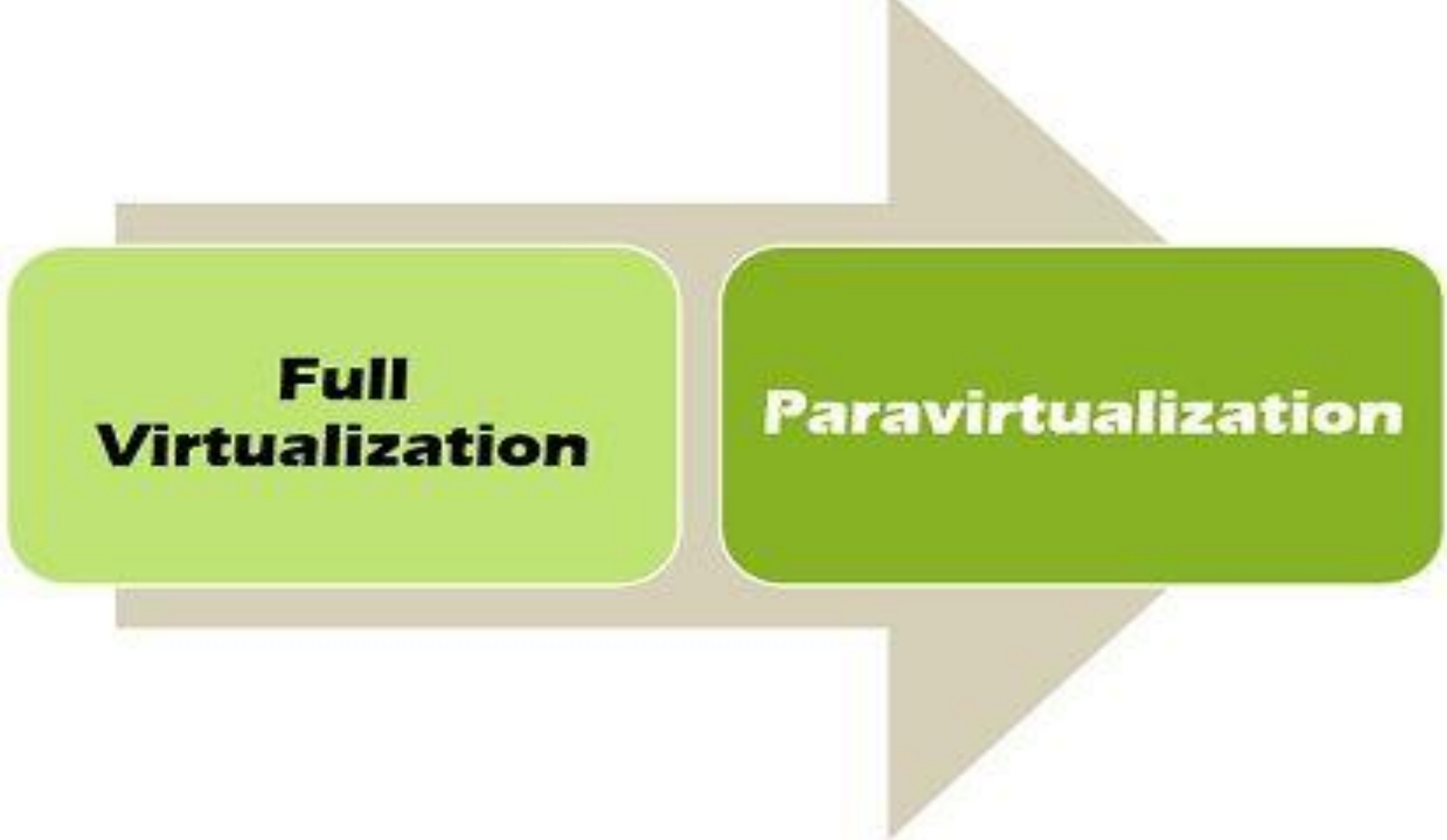


Hypervisor Types

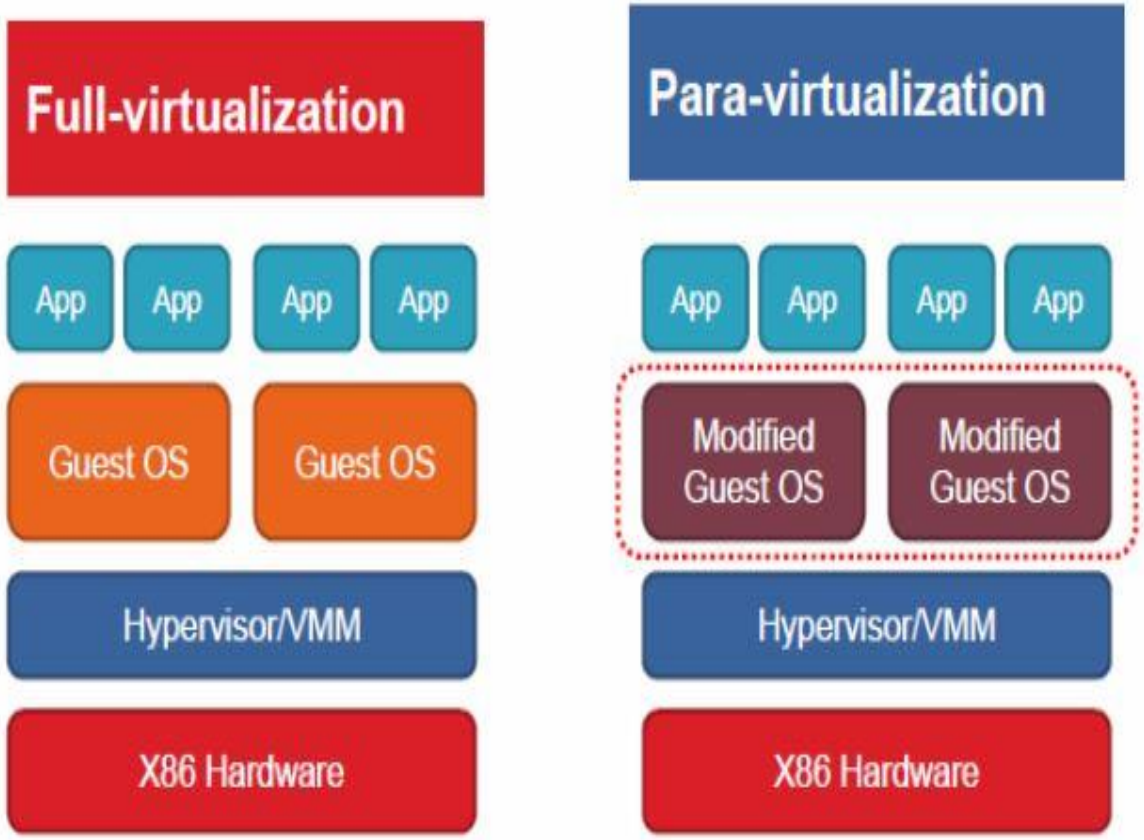


Remote Management




Full Virtualization
Paravirtualization

Full Virtualization	Para Virtualization
VmWare, Virtual Box, KVM, Xen-HVM	Xen, ESX-Server , KVM-PV
Hybrid GuestOS can be built over the Hypervisor	Only Linux GuestOS can be built over the hypervisor
Hybrid Computer Architectures can communicate with each-other	Similar Computer Architectures can communicate with each other
Generally a Low Efficiency in I/O	Generally a High Efficiency in I/O
Generally a High overhead	Generally a High overhead
Generally Big time delays during processing	Generally no time delays during processing



Virtualization Benefits

Cost Saving

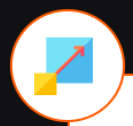
More elficient resources provisioning

Improved productivity

IT consolidation

Better management

App dev is easier, safer



Flexibility and scalability

Hosting multiple OSes

Improved storage capacity management

Business continuity

Disaster recovery is easier

Virtualization Tools

Thank You

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