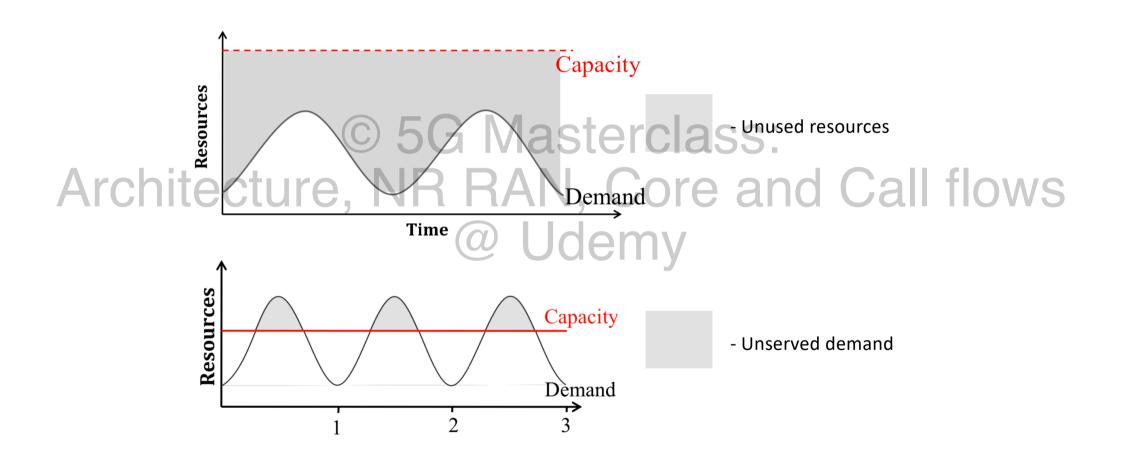
5G: Key5G Masterclass:

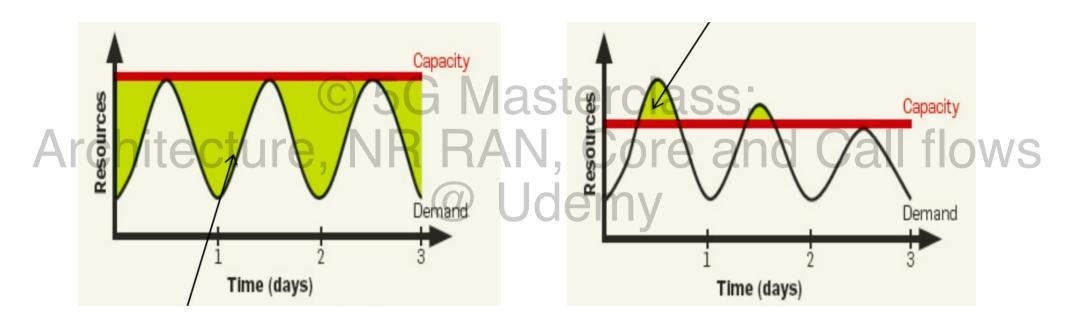
hite Enabling R A VIRTUALIZATION AND CLOUD

Technologies Udemy

Server based systems



Server based systems



"Average server utilization is 5% to 20%"

Cloud computing

"on-demand availability of <u>computer</u> <u>system resources</u>, especially <u>data storage</u> and <u>computing power</u>, without direct active Arc management by the user." AN, Core and Call flows Udemy

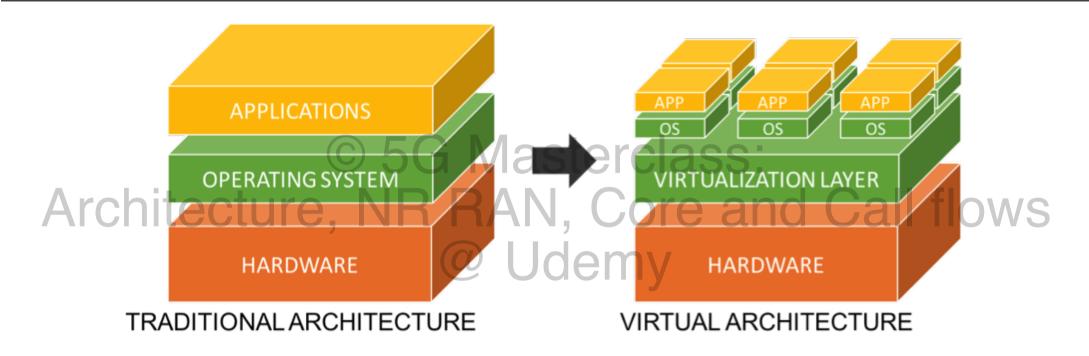
Example: Gmail Enterprise

- On demand storage
- On demand user accounts

Essential Charachteristics - NIST

- On-demand self service
 - a consumer can unilaterally provision computing capabilities without human interaction with the service provider
- Broad Network Access
- capabilities are available over the network eand Call flows
- Multi-tenancy resource pooling
 - provider's computing resources are pooled to serve multiple consumers
- Rapid elasticity
 - capabilities can be rapidly and elastically provisioned
- Measured Service
 - metering capability of service/resource abstractions

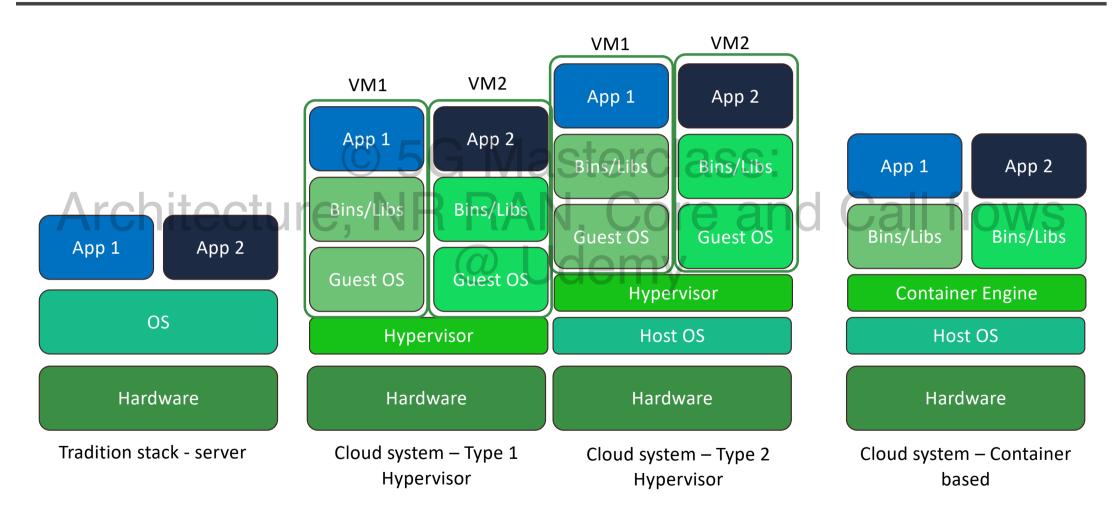
Virtualization



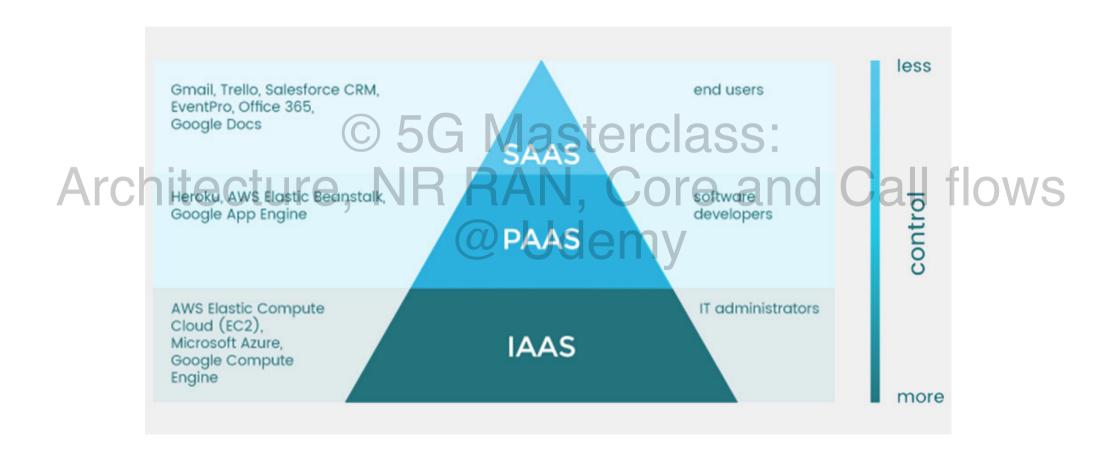
Virtualization is the process of running a virtual instance of a computer system in a layer abstracted from the actual hardware.

It is the process of creating a software-based, or virtual, representation of something, such as virtual applications, servers, storage and networks.

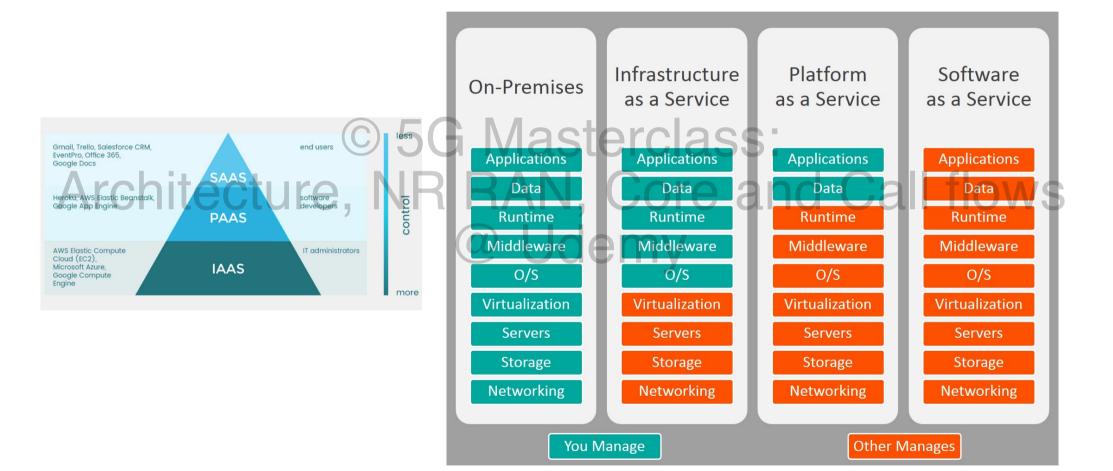
Cloud computing



Cloud Computing Services



Cloud Computing Services



Summary

- Server based Systems Masterclass:
- Archit Cloud computing RAN, Core and Call flows

 Virtualization

 - Essential Charachteristics of cloud
 - Cloud computing services

