

Cloud Computing

What it is....?



#1 - On-Demand Self-Service

**“Consumer can provision
capabilities as needed**

without requiring human interaction”

#2 - Broad Network Access

**“Capabilities are available
over the **network** and
accessed through
standard mechanisms”**

Example: Hhttps, http, ssh, vpn, etc

Not cloud: If you require to visit office or datacenter to connect

#3 - Resource Pooling

**“Location independence..
no control or knowledge over the
exact location of the resources”**

**“Resources are pooled to serve
multiple customers using
a multi-tenant model”**

Note: Users are isolated and can't view other consumers data.

#4 - Rapid Elasticity

**“Capabilities can be
elastically provisioned
and released to scale rapidly
outward and inward with demand”**

**“To the customer,
the capabilities available for
provisioning often appear to be unlimited”**

*Scale should happen without human interaction.

#5 - Measured Service

**“Resource usage can be
monitored,
controlled,
reported and
billed”**

***Billing should be done according to the usage.**

Public vs Private vs Multi vs Hybrid

Public Cloud



Multi Cloud

Hybrid Cloud

Hybrid Cloud

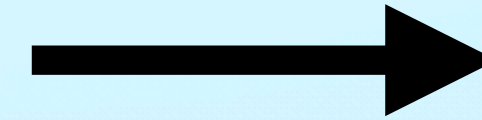
Hybrid Cloud

Private Cloud



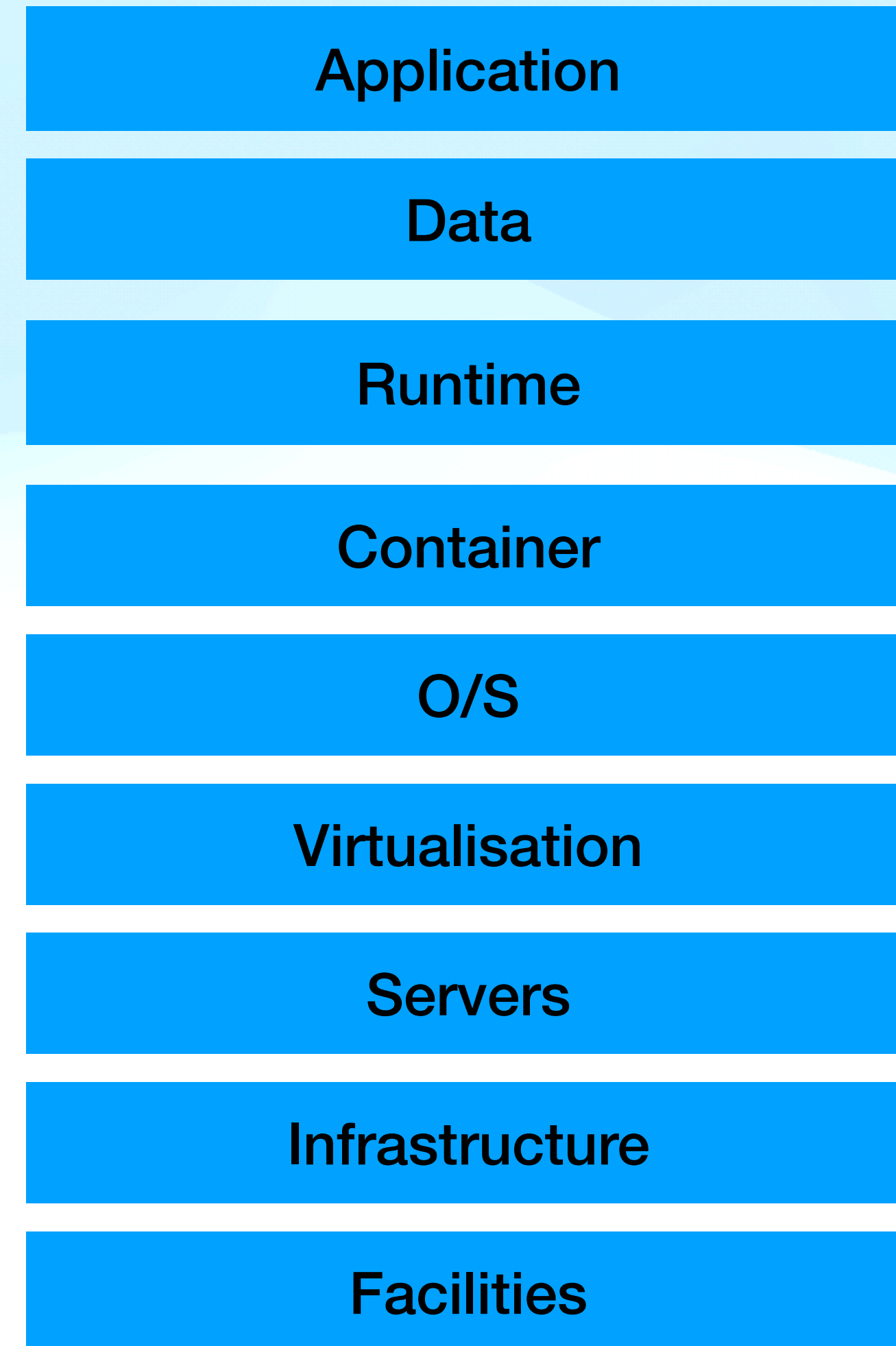
Cloud Service Models (IAAS, PAAS, SAAS)

Components involve in a infrastructure stack where the application runs on.



It includes some components that you manage and components managed by vendor.

You will be paying for the units of consumption.



Cloud Service Models (IAAS, PAAS, SAAS)

ON-PREMISES	DC HOSTED	IAAS	PAAS	SAAS
Application	Application	Application	Application	Application
Data	Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime	Runtime
Container	Container	Container	Container	Container
O/S	O/S	O/S	O/S	O/S
Virtualisation	Virtualisation	Virtualisation	Virtualisation	Virtualisation
Servers	Servers	Servers	Servers	Servers
Infrastructure	Infrastructure	Infrastructure	Infrastructure	Infrastructure
Facilities	Facilities	Facilities	Facilities	Facilities

QUIZ TIME

Q & A