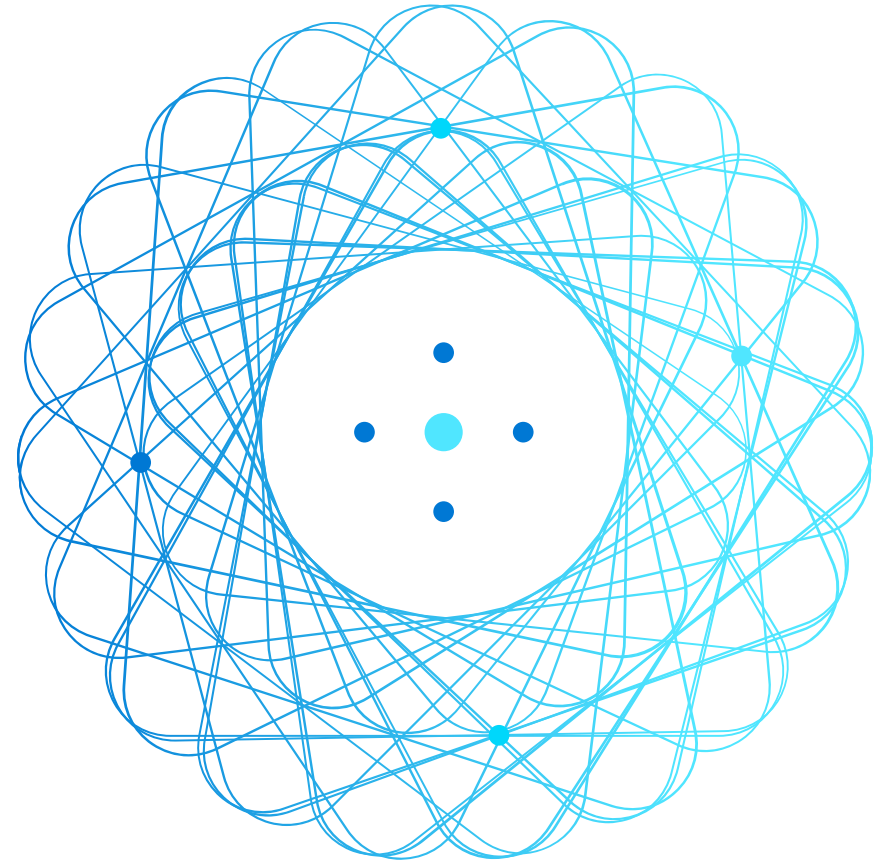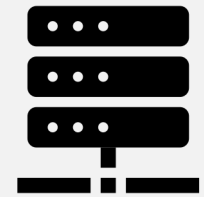Microsoft Azure

AZ-900
Cloud Service Types

Ali Khawaja
Sr. Cloud Architect
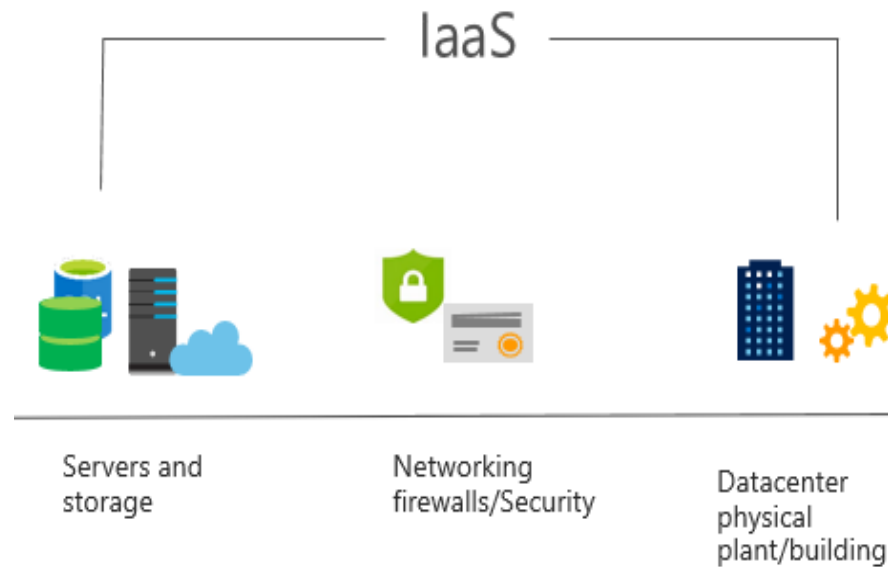**Microsoft Arabia**

Cloud service types

Cloud Services - Objective Domain

- Describe Infrastructure as a Service (IaaS)

- Describe Platform as a Service (PaaS)

- Describe Software as a Service (SaaS)

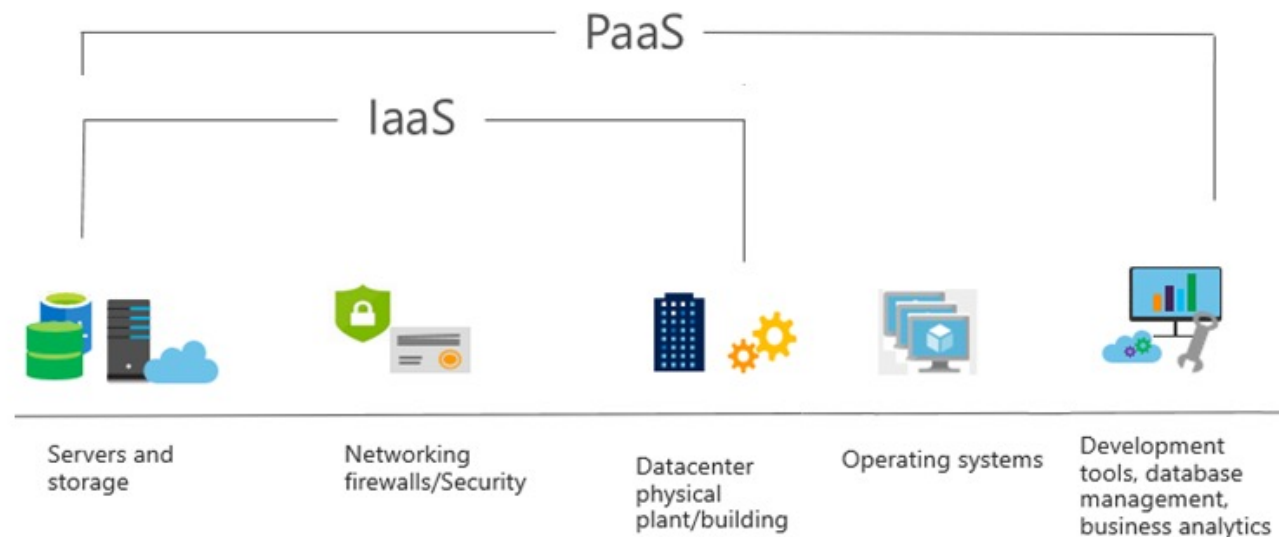- Identify appropriate use cases for each cloud service (IaaS, PaaS, SaaS)

Infrastructure as a Service (IaaS)

Build pay-as-you-go IT infrastructure by renting servers, virtual machines, storage, networks, and operating systems from a cloud provider.

Servers and storage

Networking firewalls/Security
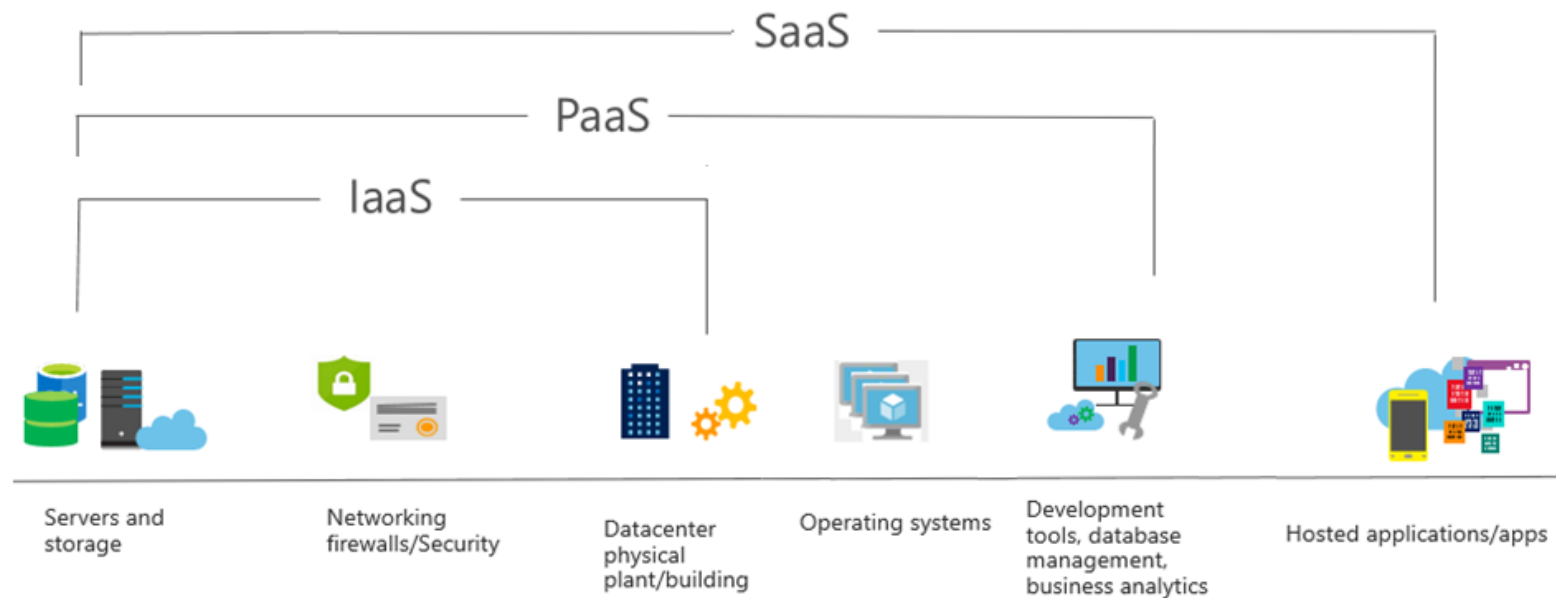
Datacenter physical plant/building

Platform as a Service (PaaS)

Provides environment for building, testing, and deploying software applications; without focusing on managing underlying infrastructure.

Software as a Service (SaaS)

Users connect to and use cloud-based apps over the internet: for example, Microsoft Office 365, email, and calendars.

SaaS					
PaaS					
IaaS					

Servers and storage | Networking firewalls/Security | Datacenter physical plant/building | Operating systems | Development tools, database management, business analytics | Hosted applications/apps

Cloud service comparison

IaaS	PaaS	SaaS
The most flexible cloud service. You configure and manage the hardware for your application.	Focus on application development. Platform management is handled by the cloud provider.	Pay-as-you-go pricing model. Users pay for the software they use on a subscription model.

Learning Path 01 Review

Microsoft Learn Modules
(docs.microsoft.com/Learn)

- The shared responsibility model
- Public, private, and hybrid-cloud
- Benefits of cloud computing
- Cloud service types