



**PRESENTED BY: Mazhar K**

# Agenda:

Why Cloud?

What is Cloud?

Sample Job

Service Models

Cloud Providers

Deployment Models



# Before Cloud Computing:

Suppose you want to host a website, these are the following things that you would need to do:



Buy a stack of servers.



High traffic? More servers.



Monitoring and Maintain servers.

# Disadvantages:



If you consider costs then this setup is expensive.



Troubleshooting problems can be tedious and may conflict with your business goals.



Since the traffic is varying, your servers will be idle most of the time.

# Why Cloud?

Files



music



E-books Videos



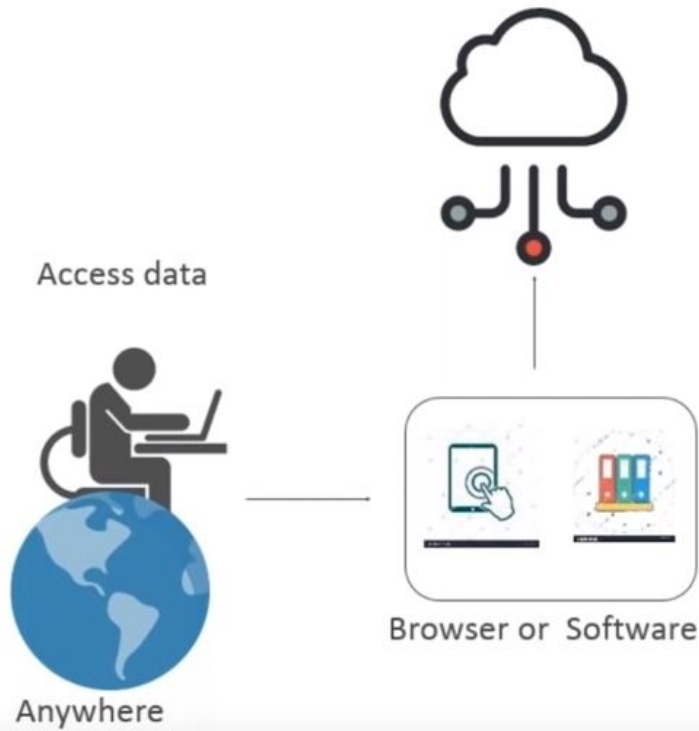
Applications



Podcasts

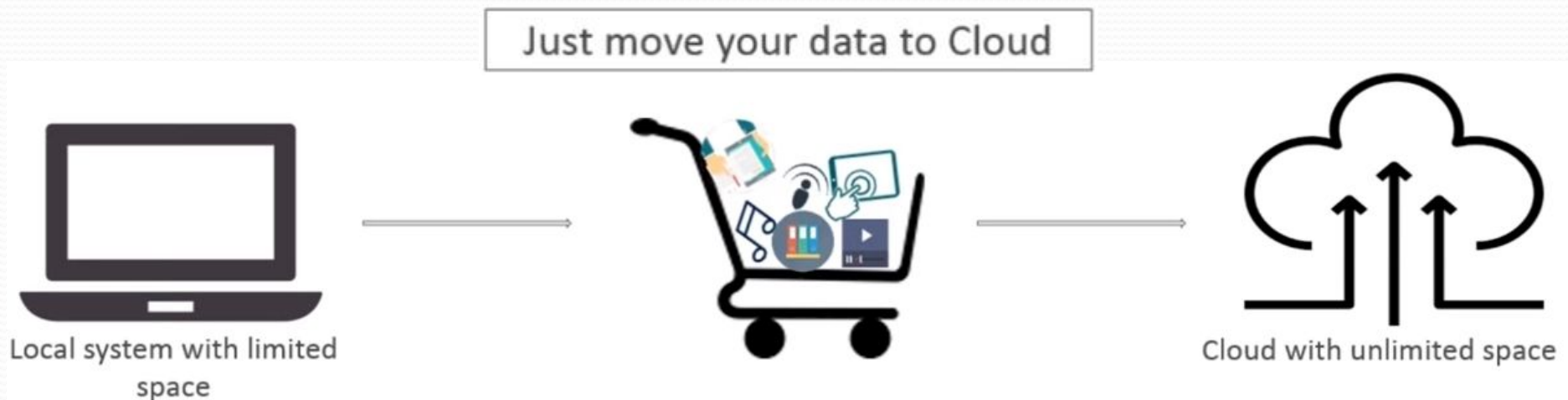


Wait...! What is this cloud?

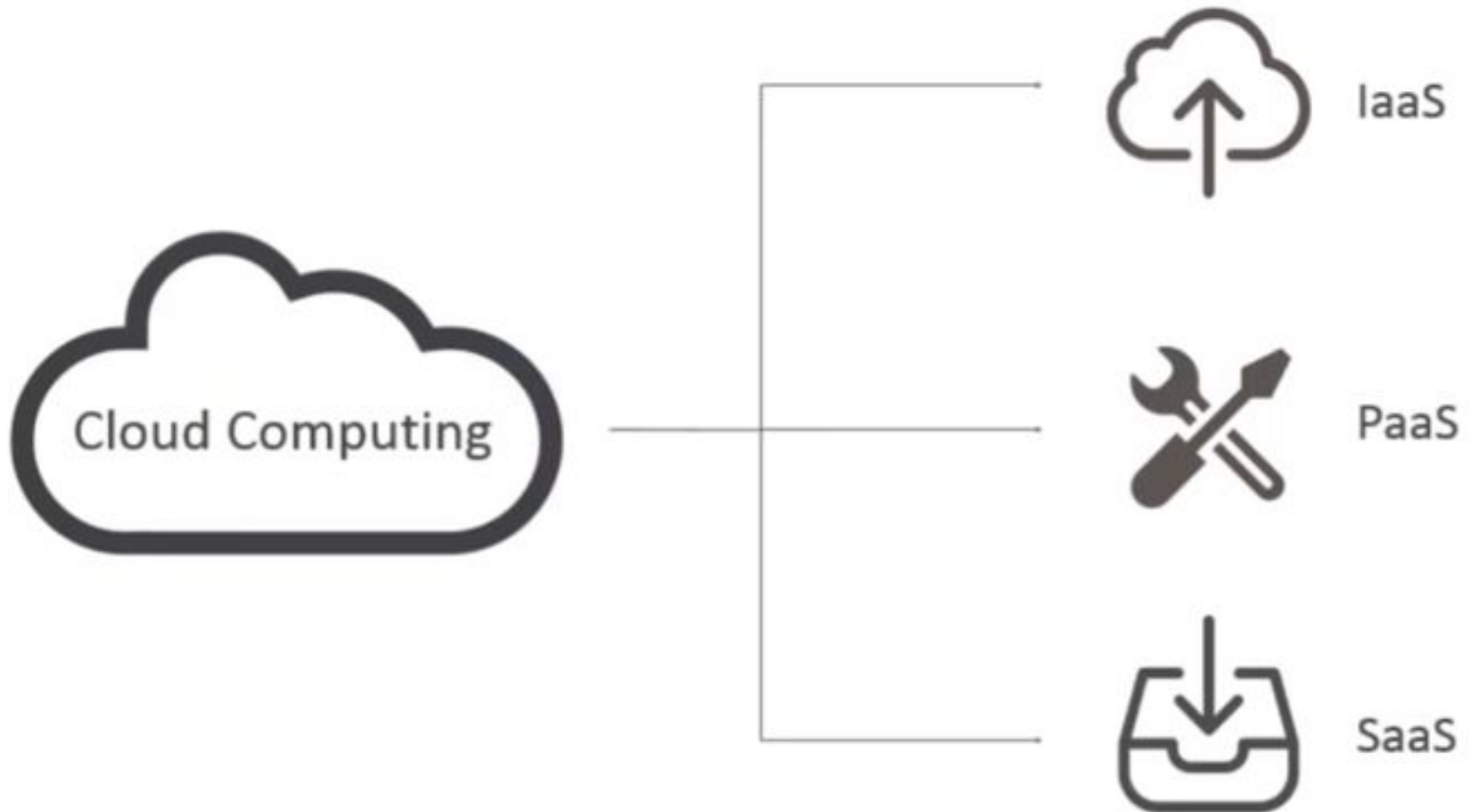


# What is Cloud Computing?

- Shared pool of configurable computer system resources and higher-level services that can be rapidly provisioned with minimal effort, often over the internet.
- Storing data/ applications on remote servers
- Processing data/ applications from servers
- Accessing data/ applications via internet



# Service Models:





# Service Models ....contd

## Software as a Service

- Cloud Provider leases applications or softwares which are owned by them to its client

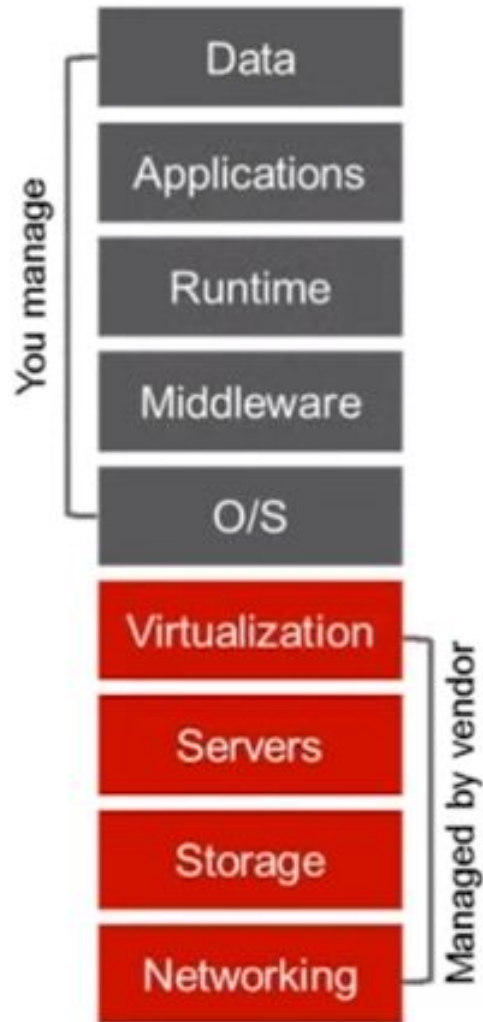
## Platform as a Service

- No control over the underlying architecture including OS, storage, servers etc.

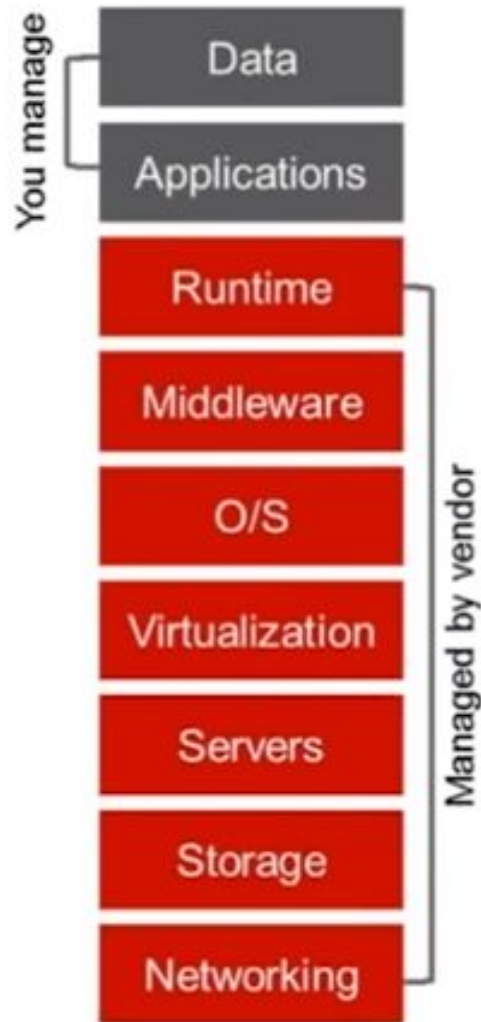
## Infrastructure as a Service

- Provides virtualized computing resources over the Internet
- No worries about the underlying physical machine.

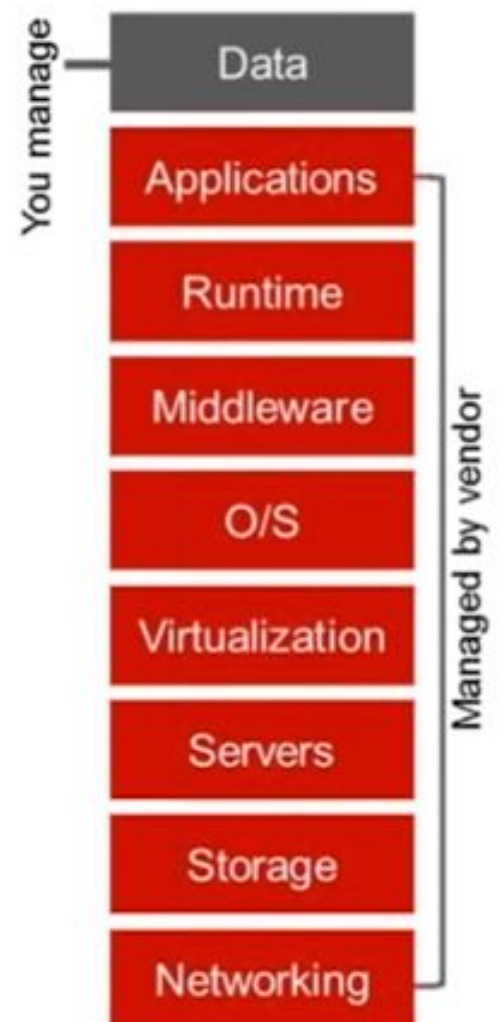
# Service Models ...contd



IaaS



PaaS



SaaS


# Cloud Deployments:



**Public Cloud**



**Private Cloud**



**Hybrid Cloud**

# Cloud Deployments ...contd



- A service provider makes resources, such as applications and storage, available to the general public over the Internet.
- Easy and inexpensive set-up because hardware, application and bandwidth costs are covered by the provider.
- No wasted resources because you pay for what you use

# Cloud Deployments ...contd



- Offers hosted services to a limited number of people behind firewall, so it minimizes the security concerns.
- Private cloud gives companies direct control over their data.

# Cloud Deployments ...contd



- A cloud computing environment which uses a mix of on-premises, private cloud and third-party, public cloud services
- It helps you leverage the best of both worlds

# Cloud Providers:



Google Cloud Platform



# Jobs to discuss

## Azure Solution Architect

- Drive the deployment of infrastructure workloads into Azure and increase consumption of the platform by providing deployment guidance, supporting development of clients' cloud adoption model, and providing appropriate recommendations to overcome blockers
- Assist with the development of the Enterprise architecture for the cloud environment
- Provide deep technical expertise and support in the infrastructure-related workloads
- Provide leadership and direction regarding application design, architecture, and integration
- To develop a future state architecture where systems have migrated to the Azure platform in collaboration with the Data Architecture
- To assist with the beginning stages of the enterprise migration to Azure