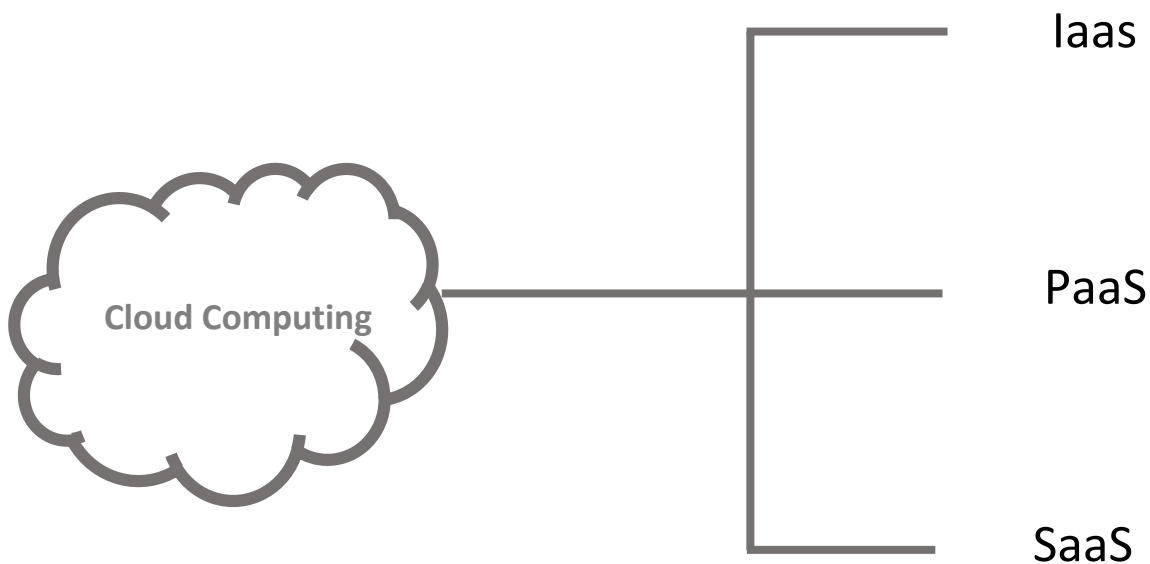What is **Cloud Computing**:
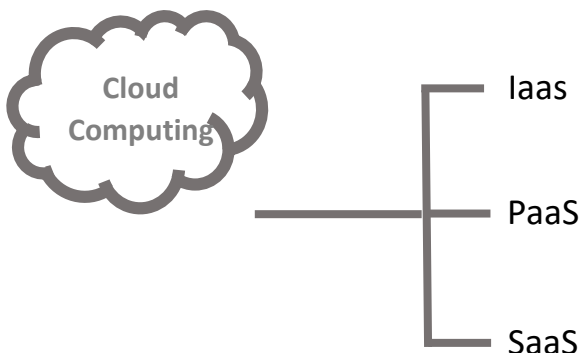
Cloud Computing is: -

- Storing Data/ Applications on Remote Servers.
- Processing Data/ Applications from Servers.
- Accessing Data/ Applications via Internet.
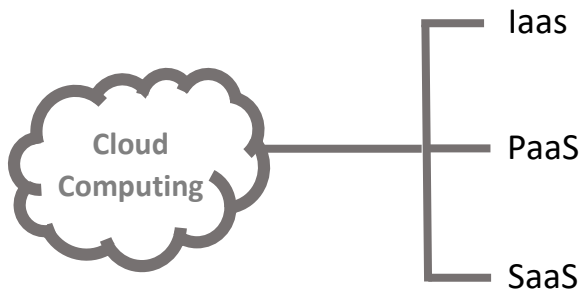
Service Models: - **Cloud Computing**?

Cloud Computing

- Iaas
- PaaS
- SaaS

Service Model: **SaaS**?

Cloud Computing

- Iaas
- PaaS
- SaaS

(**S**oftware **as a S**ervice)

- **Cloud** Provider Leases applications or software which are owned by them to its client.
- **Example**: salesforce.com provides the CRM (Customer Relation Manager) on a cloud infrastructure to its client and charges them for it, but the software is owned by the salesforce Company
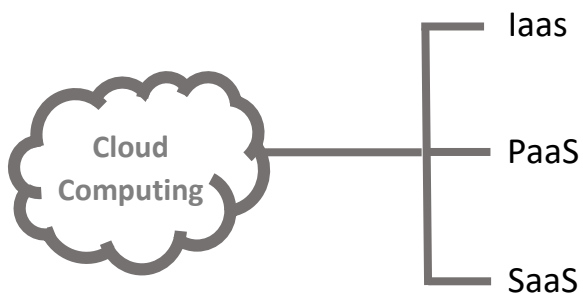
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Service Model: **PaaS**?

Iaas

Cloud Computing
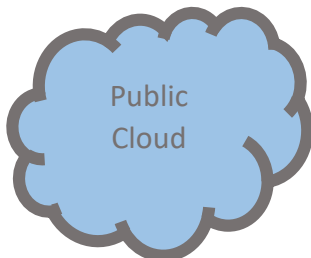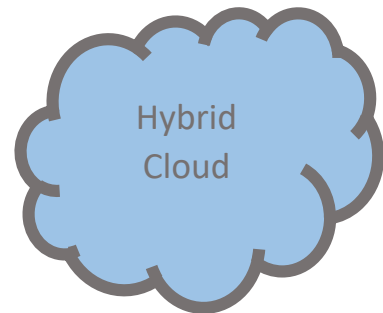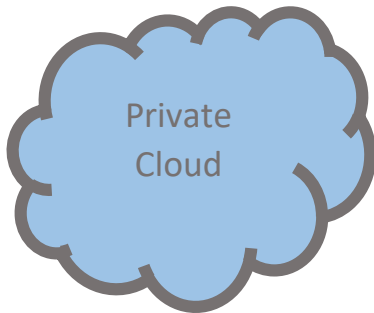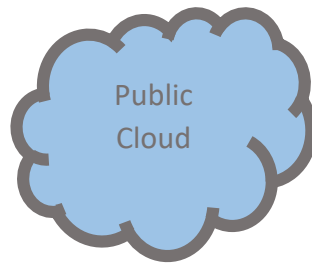
PaaS

SaaS

(**P**latform **as a S**ervice)

- No Control over the underlying architecture including OS, storage, servers etc.
- The **Cloud** Provider gives the ability to the customer to deploy customer created apps using programming languages, tools etc. that are provided by **Cloud** Provider.

Service Model: **IaaS**?
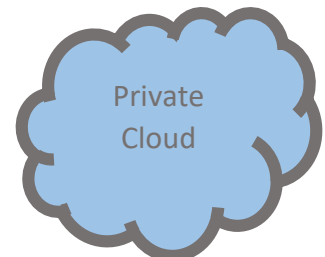
Iaas

Cloud Computing
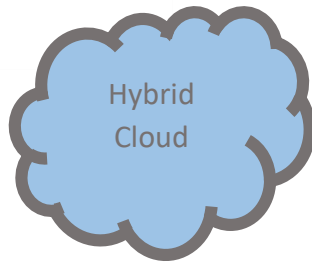
PaaS

SaaS

(**I**nfrastructure **as a S**ervice)

- Provides virtualized computing resources over the internet
- No Worries about the underlying physical machine.
- Abstract the user from the physical Machine.

Deployment Models

Public
Cloud

Private
Cloud

Hybrid
Cloud

Public
Cloud

- 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, applications and bandwidth cost are covered by the providers.
- No wasted resources because you pay for what you see.

- Offer 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.

Private
Cloud

@Anukaran

Hybrid Cloud

- 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:

What is Microsoft Azure?

Microsoft Azure is a growing collection of integrated cloud services which developers and IT professionals use to build, deploy and manage applications through our global network of Datacenters.