

Cloud computing

TOPICS

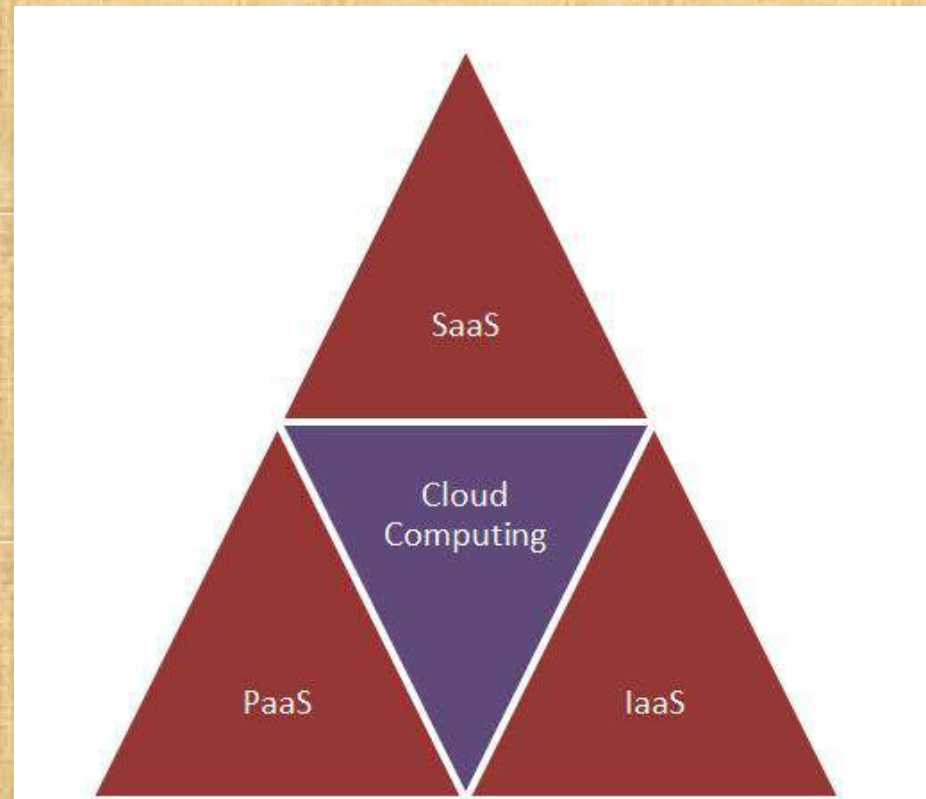
1) Cloud service options



Cloud Service Models

Service models are the reference models on which the cloud computing based. These can be categorized into three basic models

- 1. Infrastructure as a Service (IaaS)
- 2. Platform as a Service (PaaS)
- 3. Software as a Service (SaaS)



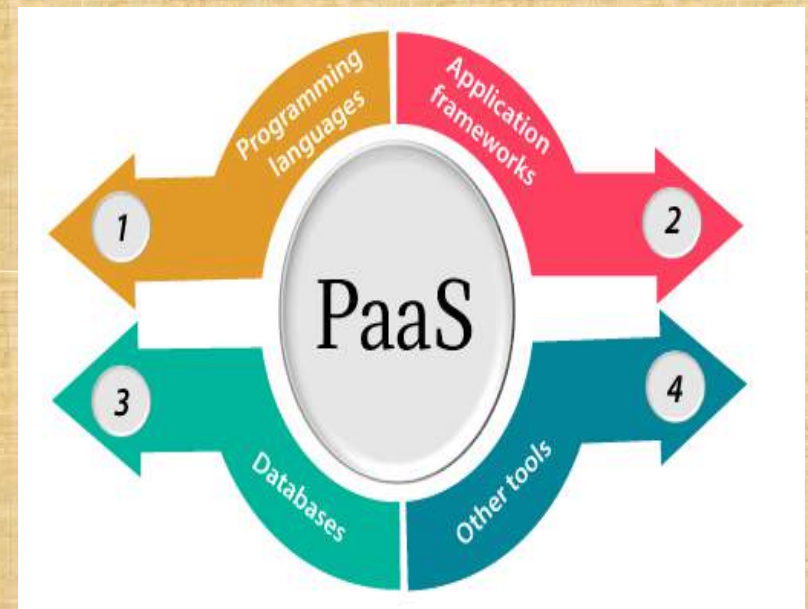
Software as a Service (SaaS)

SaaS or software as a service is a software distribution model in which applications are hosted by a vendor or service provider and made available to customers over a network (internet). Through internet this service is available to users anywhere in the world.



PaaS (Platform as a Service)

Platform as a service, is referred as PaaS, it provides a platform and environment to allow developers to build applications and services. This service is hosted in the cloud and accessed by the users via internet.

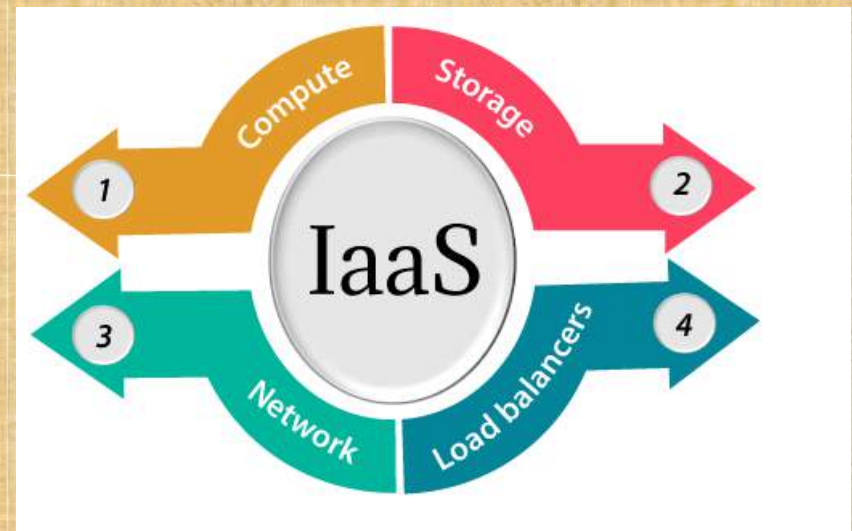


IaaS (Infrastructure as a Service)

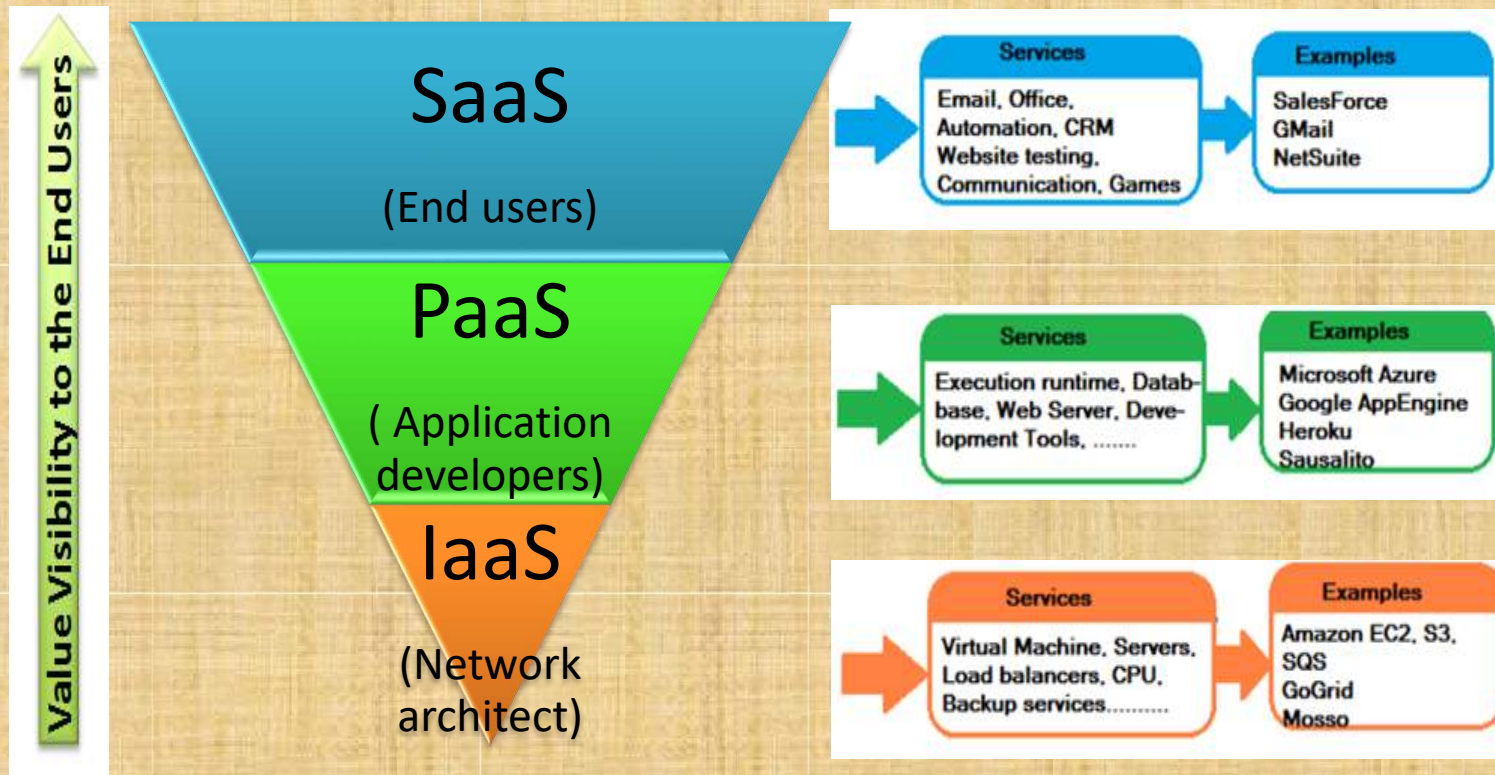


•IaaS (Infrastructure As A Service) is one of the fundamental service model of cloud computing alongside PaaS(Platform as a Service). It provides access to computing resources in a virtualized environment “the cloud” on internet. It provides computing infrastructure like virtual server space, network connections, bandwidth, load balancers and IP addresses. The pool of hardware resource is extracted from multiple servers and networks usually distributed across numerous data centers.

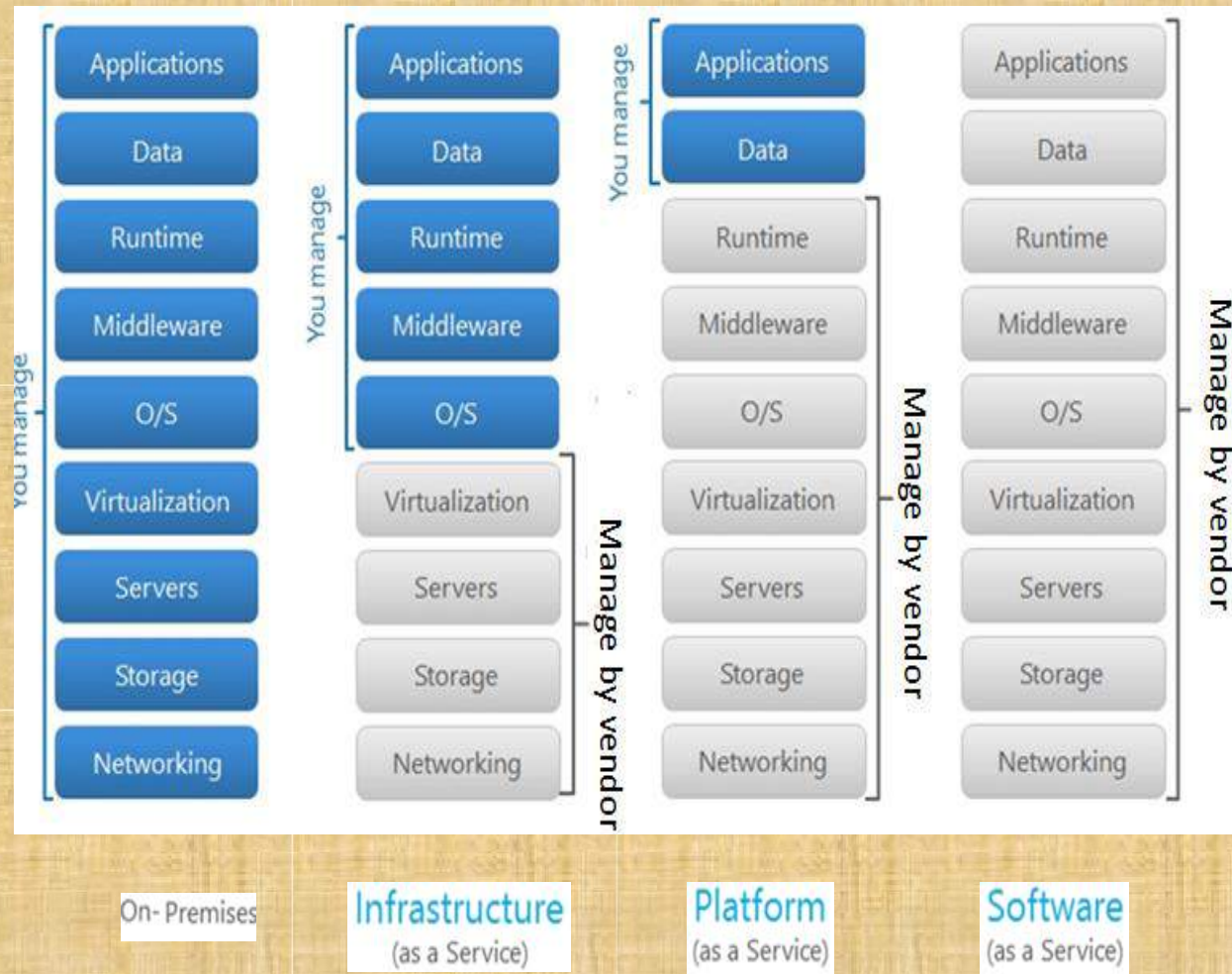
IaaS(Infrastructure as a service) is a complete package for computing.



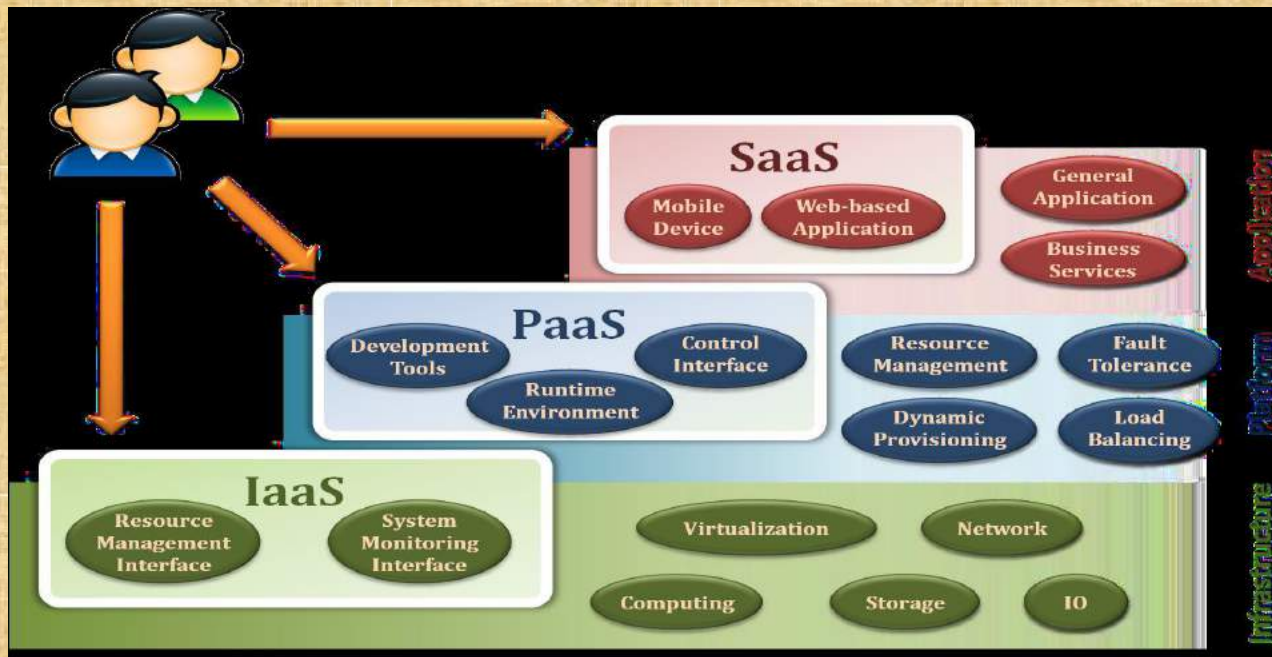
Cloud Computing services



Cloud Computing services



Service Model Overview



Difference between IaaS, PaaS and SaaS



Difference between IaaS, PaaS, and SaaS

The below table shows the difference between IaaS, PaaS, and SaaS -

IaaS	PaaS	SaaS
It provides a virtual data center to store information and create platforms for app development, testing, and deployment.	It provides virtual platforms and tools to create, test, and deploy apps.	It provides web software and apps to complete business tasks.
It provides access to resources such as virtual machines, virtual storage, etc.	It provides runtime environments and deployment tools for applications.	It provides software as a service to the end-users.
It is used by network architects.	It is used by developers.	It is used by end users.
IaaS provides only Infrastructure.	PaaS provides Infrastructure+Platform.	SaaS provides Infrastructure+Platform +Software.