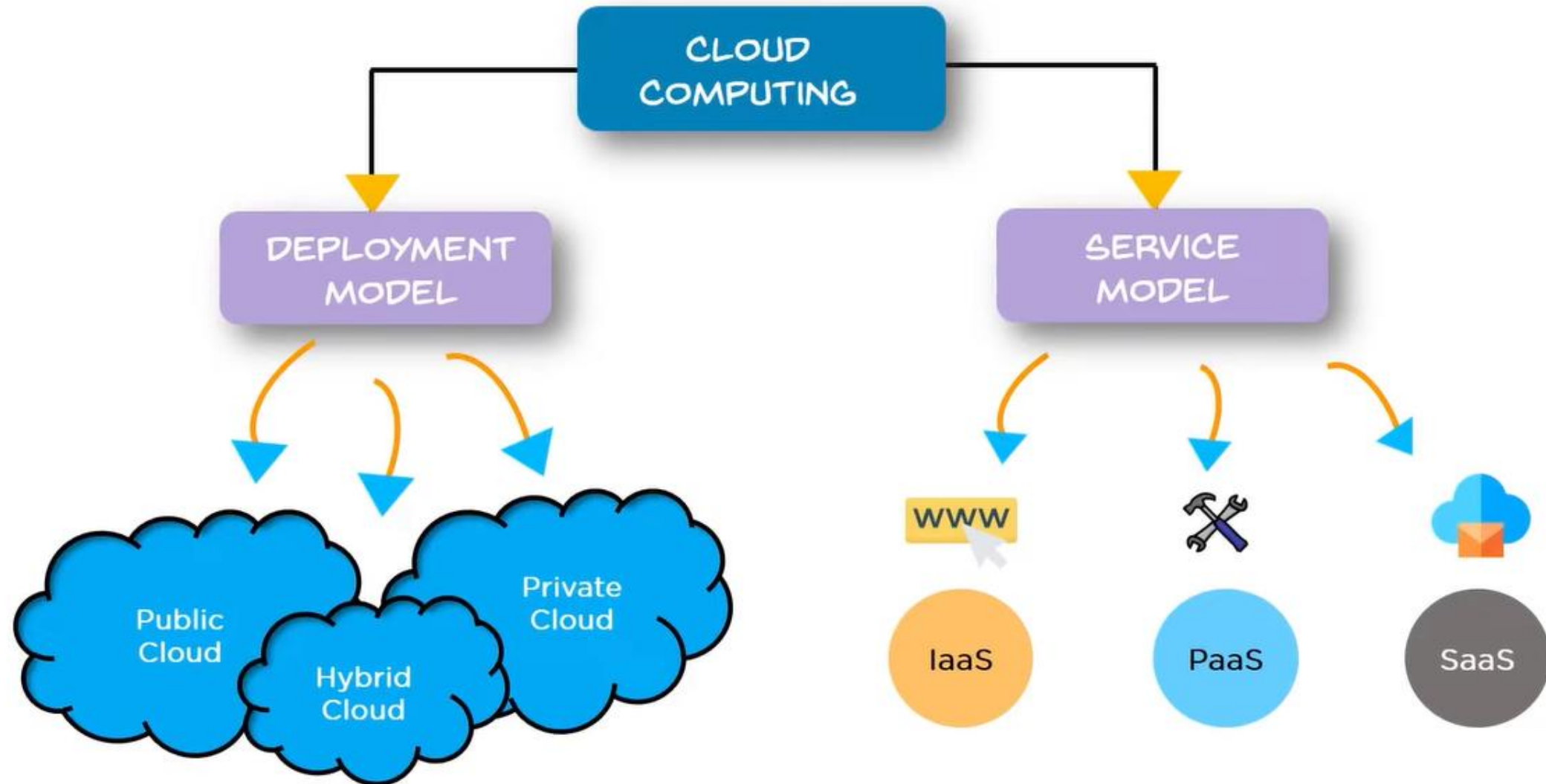
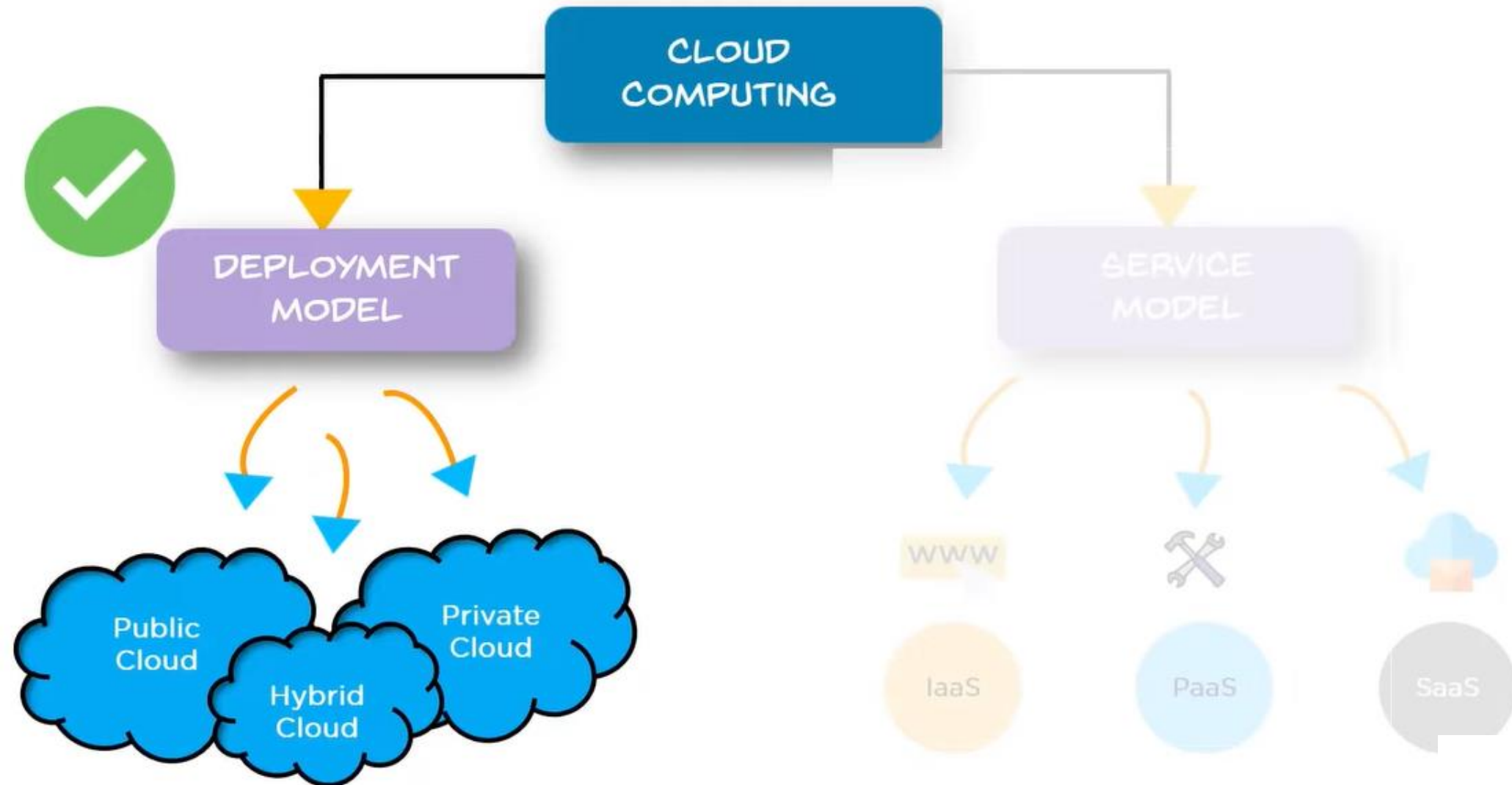


Types of Cloud Computing



Deployment Model

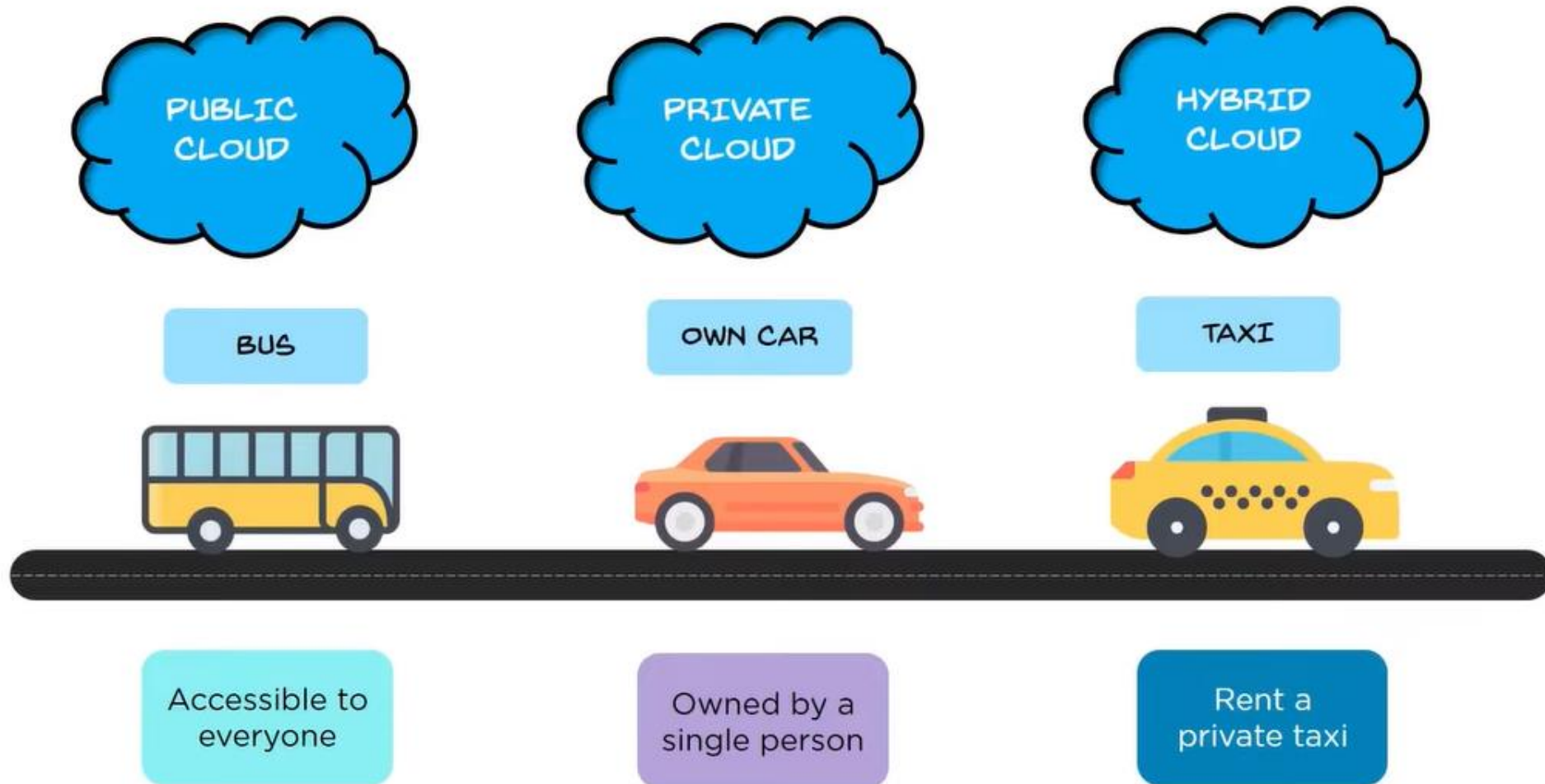


Deployment Model

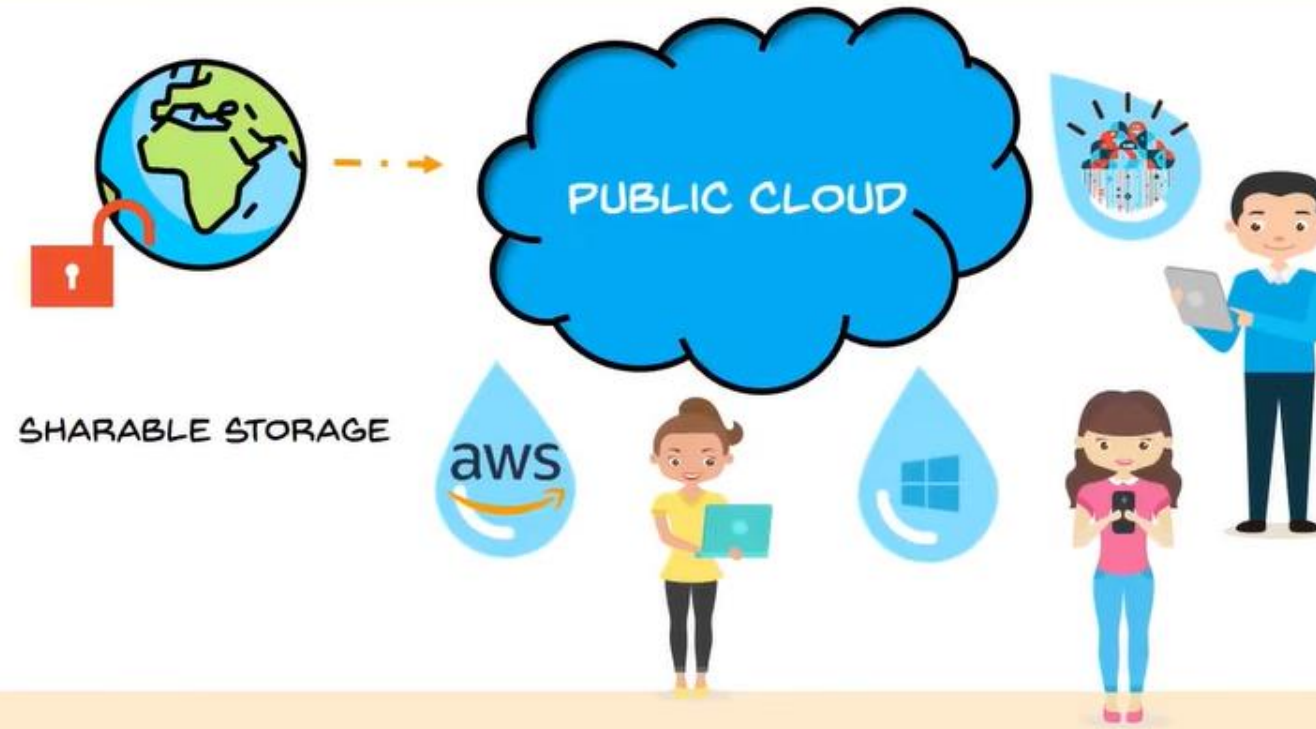
CONSIDER AN EXAMPLE OF VEHICLES



Types of Deployment Models



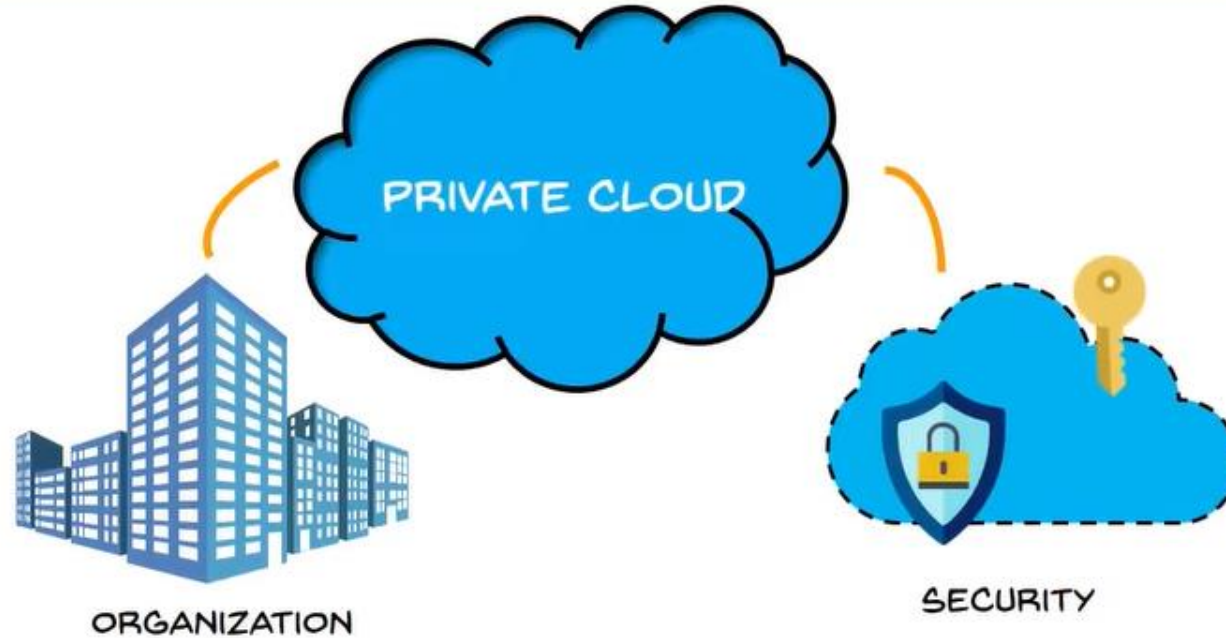
Public Cloud



The cloud infrastructure is made available to the general public over the internet and is owned by a cloud provider

Example: AWS, Microsoft Azure, IBM's Blue Cloud and Sun Cloud

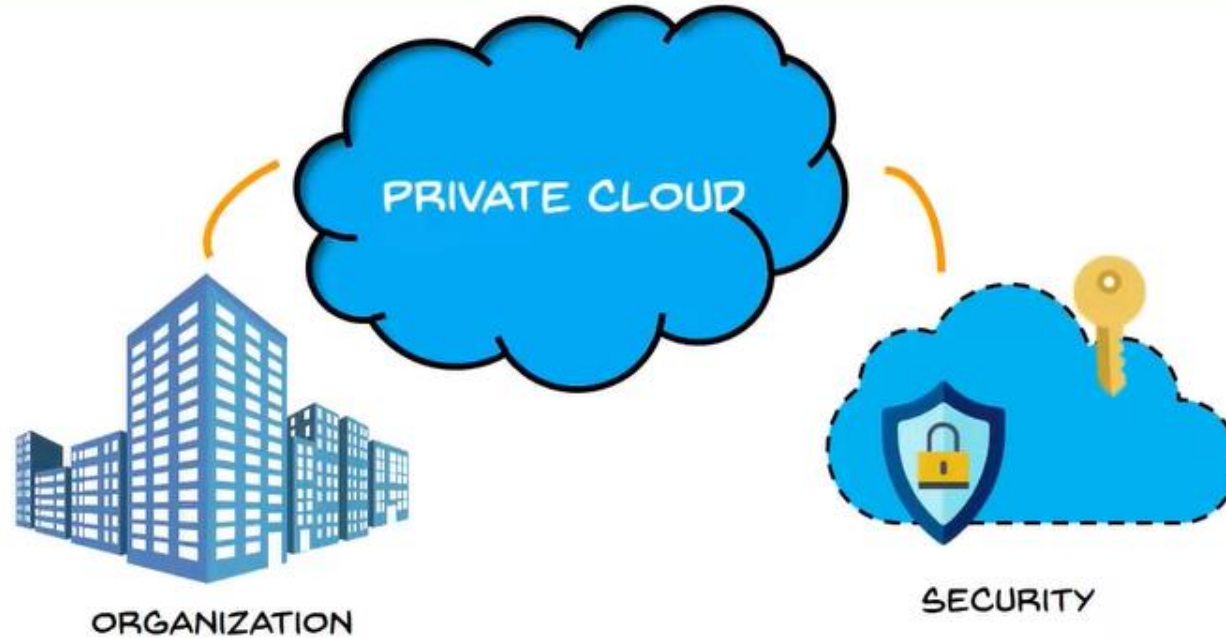
Private Cloud



The cloud infrastructure is exclusively operated by a single organization. It can be managed by the organization or a third party and may exist on-premise or off-premise

Example: AWS, VMware

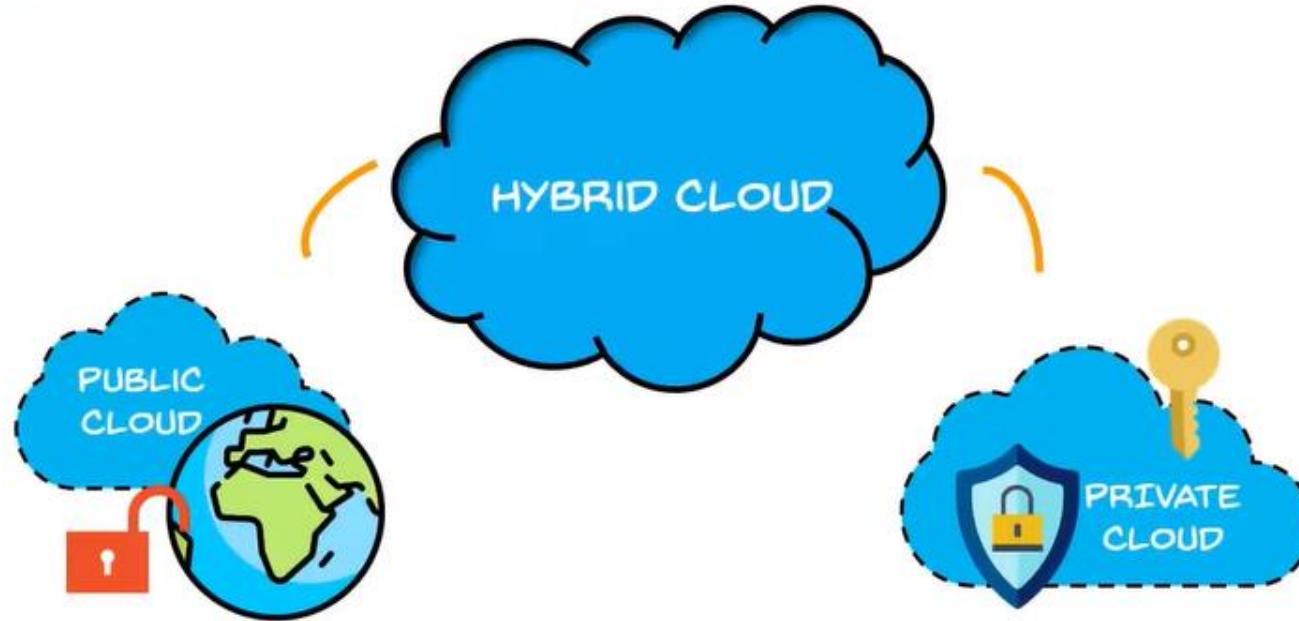
Private Cloud



The cloud infrastructure is exclusively operated by a single organization. It can be managed by the organization or a third party and may exist on-premise or off-premise

Example: AWS, VMware

Hybrid Cloud

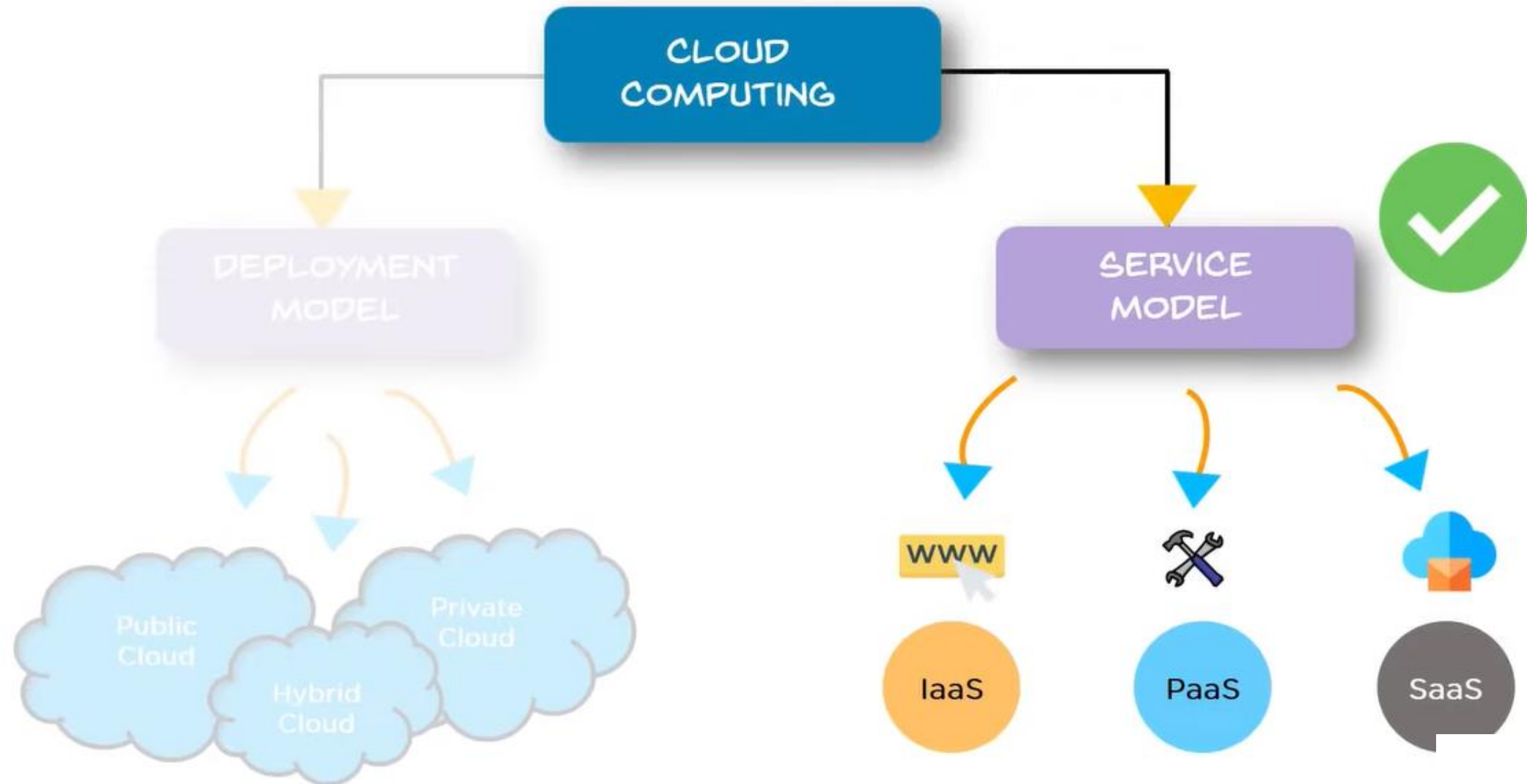


It consists the functionalities of both public and private cloud

For example:

Federal agencies opt for private clouds when sensitive information is involved
Also, they use the public cloud to share datasets with general public or other government departments

Types of Service Models



Types of Service Models

Which cloud service is suitable for you?

WWW

IAAS

If your business needs a virtual machine, opt for Infrastructure as a Service



PAAS

If your company requires a platform for building software products, pick Platform as a Service



SAAS

If your business doesn't want to maintain any IT equipment, then choose Software as a Service



IaaS



- ✓ IaaS is a cloud service that provides basic computing infrastructure
- ✓ Services are available on **PAY-FOR-WHAT-YOU-USE** model
- ✓ IaaS providers include Amazon Web Services, Microsoft Azure and Google Compute Engine
- ✓ Users: IT Administrators

IAAS PRODUCTS AND SERVICES



PaaS



- ✓ PaaS provides cloud platforms and runtime environments for developing, testing, and managing applications
- ✓ It allows software developers to deploy applications without requiring all the related infrastructure
- ✓ Users: Software Developers

PAAS PRODUCTS AND SERVICES



SaaS



- ✓ In SaaS, cloud providers host and manage the software application on a pay-as-you-go pricing model
- ✓ All software and hardware are provided and managed by a vendor so you don't have to maintain anything
- ✓ Users: End Customers



SAAS PRODUCTS AND SERVICES



Office 365 Google Apps

Differences between IaaS, PaaS and SaaS

On-Premises	IaaS	PaaS	SaaS
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

 Managed by you  Managed by Vendor

Differences between IaaS, PaaS and SaaS

Example:

Consider a task where you are planning to bake a cake



Differences between IaaS, PaaS and SaaS

On-Premises

Made at Home

Dinning table

Water

Electricity

Oven

Cake Pan

Flour

Sugar

Butter

Eggs



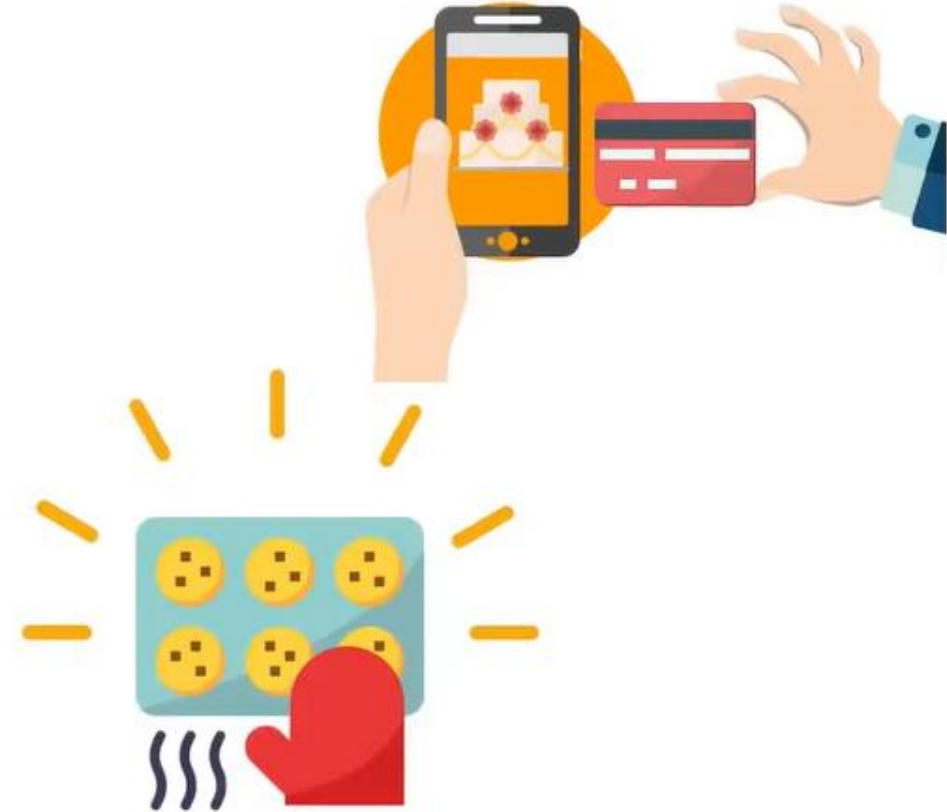
Managed by you

Managed by Vendor

Differences between IaaS, PaaS and SaaS

On-Premises	IaaS
Made at Home	Buy & bake
Dinning table	Dinning table
Water	Water
Electricity	Electricity
Oven	Oven
Cake Pan	Cake Pan
Flour	Flour
Sugar	Sugar
Butter	Butter
Eggs	Eggs

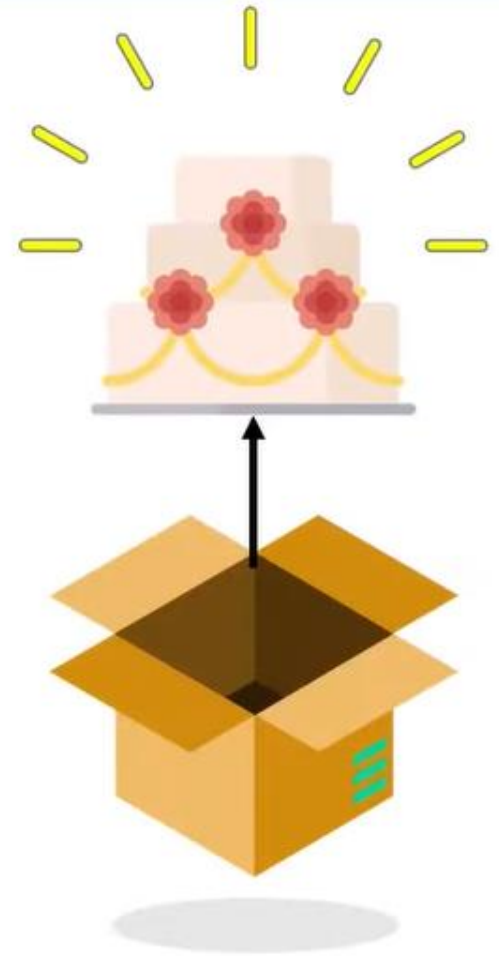
 Managed by you  Managed by Vendor



Differences between IaaS, PaaS and SaaS

On-Premises	IaaS	PaaS
Made at Home	Buy & bake	Cake delivery
Dinning table	Dinning table	Dinning table
Water	Water	Water
Electricity	Electricity	Electricity
Oven	Oven	Oven
Cake Pan	Cake Pan	Cake Pan
Flour	Flour	Flour
Sugar	Sugar	Sugar
Butter	Butter	Butter
Eggs	Eggs	Eggs

 Managed by you  Managed by Vendor



Differences between IaaS, PaaS and SaaS

On-Premises	IaaS	PaaS	SaaS
Made at Home	Buy & bake	Cake delivery	Dine out
Dinning table	Dinning table	Dinning table	Dinning table
Water	Water	Water	Water
Electricity	Electricity	Electricity	Electricity
Oven	Oven	Oven	Oven
Cake Pan	Cake Pan	Cake Pan	Cake Pan
Flour	Flour	Flour	Flour
Sugar	Sugar	Sugar	Sugar
Butter	Butter	Butter	Butter
Eggs	Eggs	Eggs	Eggs

Managed by you

Managed by Vendor

