

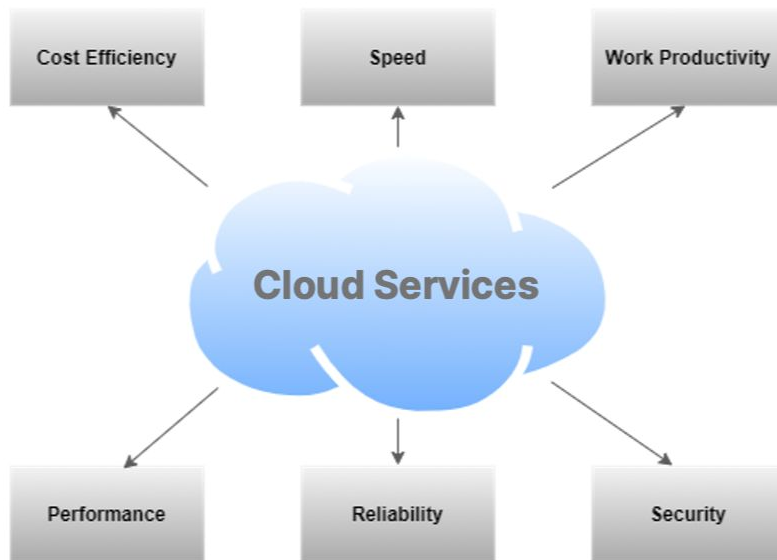
Introduction to Cloud Computing

What is cloud computing?

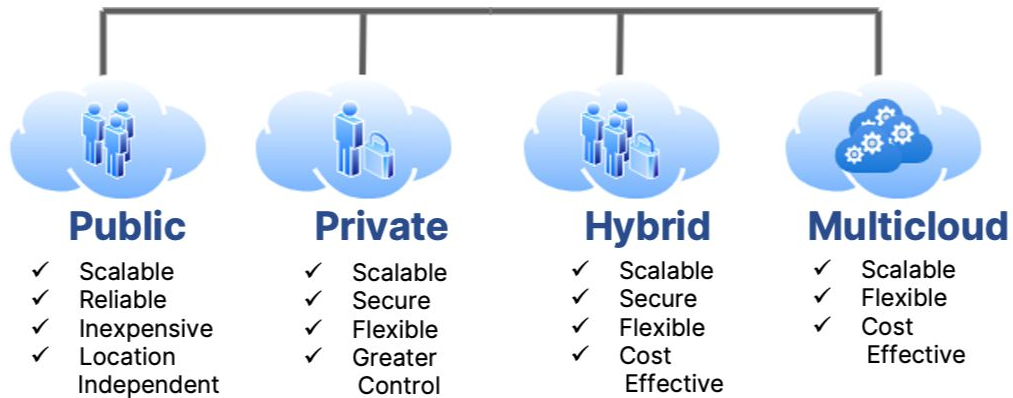
The on-demand delivery of computing services over the internet, paid for based on usage

Cloud services provider handles server and cloud software maintenance and improvement

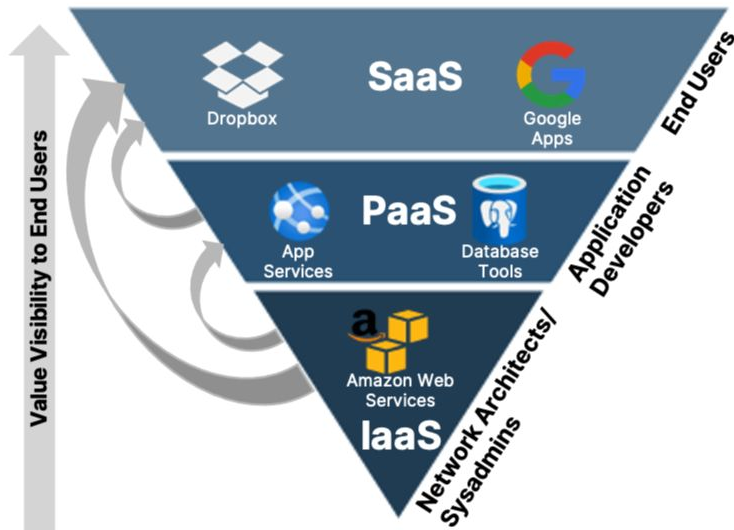
Benefits of cloud computing



Types of cloud computing



Types of cloud services



Cloud Service Providers (CSPs)

Multinational organizations with private data centers located globally

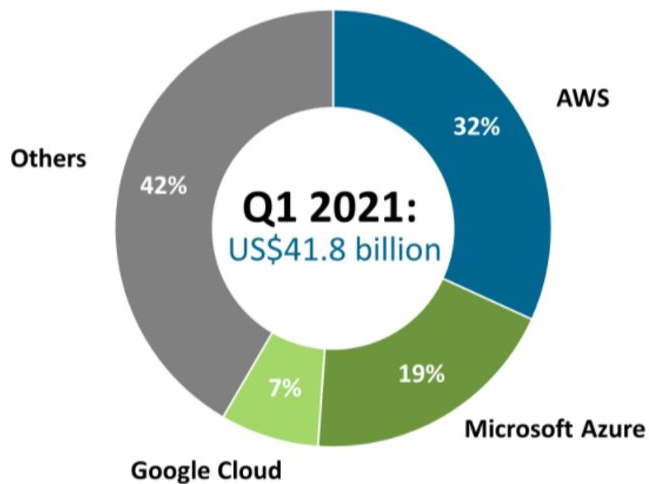
Typically provide all major cloud services: SaaS, PaaS, IaaS

Enhanced security, reliability, cost effectiveness



The “Big Three”

Worldwide cloud infrastructure services spend



Source: Canalys estimates, April 2021

The “Big Three” services

Functions as a Service

e.g. AWS Lambda, Azure Functions, Google Cloud Functions

Infrastructure as a Service

e.g. AWS EC2, Google Compute Engine

Container services

e.g. Elastic Kubernetes Service, Azure Kubernetes Service

Database services, networking services, storage services, more...