Definations:

Cloud computing refers to the delivery of various services over the internet, including storage, computing power, databases, networking, software, analytics, and intelligence. These services are provided by cloud service providers (CSPs) and are designed to offer faster innovation, flexible resources, and economies of scale.

A diagram of a cloud computing

Description automatically generated

Foundation:

A screenshot of a computer program

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Responsibilities also vary by cloud service type:

* IaaS (Infrastructure as a Service): The consumer handles most tasks except for the basic physical infrastructure.
* PaaS (Platform as a Service): Responsibilities are more evenly split between the provider and the consumer.
* SaaS (Software as a Service): The provider manages most aspects, with the consumer focusing mainly on data and access management.

A screenshot of a computer

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Types of cloud:

Public , private , Hybrid , Multi(combination of 2+ public cloud providers)

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Virtual machines virtualize the hardware while container virtualize the operating system

Serverless computing allows user to write application without worrying about configurations