DAR ES SALAAM INSTITUTE OF TECHNOLOGY

MODULE TITLE: CLOUD COMPUTING.

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QN. Describe the cloud computing services

Cloud computing services refer to the delivery of computing resources, including servers, storage, databases, networking, software, and analytics, over the internet. These services are provided by cloud service providers (CSP) who own and manage the underlying infrastructure.

Here are some popular cloud computing services:

1.Infrastructure as a Service (IaaS):

This service provides virtualized computing resources, such as virtual machines, storage, and networks, allowing users to deploy and manage their own software applications and infrastructure.

2. Platform as a Service (PaaS): PaaS offers a platform and environment for developers to build, test, and deploy applications without worrying about the underlying infrastructure. It provides tools, libraries, and frameworks to streamline the development process.

3.Software as a Service (SaaS): SaaS delivers software applications over the internet on a subscription basis. Users can access and use software applications without the need for installation or maintenance. Examples of SaaS include customer relationship management (CRM) systems, email services, and productivity tools.

4. Database as a Service (DBaaS): DBaaS provides managed database services, allowing users to store, manage, and scale databases without the need for infrastructure setup or maintenance. The CSP takes care of database administration tasks, such as backups, upgrades, and performance tuning.

5. Serverless Computing: Serverless computing allows developers to run applications and execute code without worrying about server management. Developers focus solely on writing and deploying code, and the cloud provider handles the infrastructure and resource allocation.