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Introduction to Cloud Fundamentals

Unlock the Power of Cloud Computing Fundamentals!

DEFINITION

> Cloud fundamentals refer to the basic concepts and services of cloud computing. It helps users understand how data and applications are stored and accessed over the internet.

KEY CONCEPTS

Cloud Types

There are three main types of cloud services: public, private, and hybrid, each serving different needs.

Service Models

The main service models are IaaS, PaaS, and SaaS, which define how resources are provided.

Scalability

Cloud computing allows for easy scaling of resources up or down based on demand.

Accessibility

Cloud services can be accessed from anywhere with an internet connection, enhancing flexibility.

Cost Efficiency

Using cloud services often reduces costs by eliminating the need for physical hardware.

EXAMPLES

→ Storing photos on Google Drive instead of a local hard drive.

→ Using Microsoft Azure to host a web application.

→ Accessing software like Salesforce via the internet.

MEMORY TIPS

★ Remember 'IaaS, PaaS, SaaS' as 'Infrastructure, Platform, Software' for service models.

★ Think of 'public, private, hybrid' clouds as 'open, secure, mixed' environments.

★ Use the acronym 'SCA' for Scalability, Cost-efficiency, Accessibility.

COMMON MISTAKES

✗ Confusing IaaS with SaaS services.

✗ Overlooking security measures in cloud environments.

✗ Assuming all cloud services are free.

QUICK RECAP

Cloud fundamentals encompass the essential concepts of cloud computing, including types, service models, and benefits. Understanding these basics prepares you for deeper learning in cloud technologies.