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Introduction to AWS Fundamentals

Master the Basics of AWS for Cloud Success

DEFINITION

AWS Fundamentals introduces the core services and concepts of Amazon Web Services, a leading cloud platform. It helps learners understand how to utilize AWS for scalable computing and storage solutions.

KEY CONCEPTS

Cloud Computing

Cloud computing allows users to access and store data over the internet instead of local servers.

AWS Services

AWS offers a variety of services including computing power, storage options, and databases.

Scalability

Scalability refers to the ability to increase or decrease resources as needed to handle varying workloads.

Pay-as-you-go

AWS operates on a pay-as-you-go pricing model, meaning you only pay for the resources you use.

Global Infrastructure

AWS has data centers around the world, allowing for low-latency access and redundancy.

EXAMPLES

→ Launching a virtual server using EC2.

→ Storing files in S3 for easy access.

→ Using RDS to manage relational databases.

MEMORY TIPS

★ Remember AWS as 'Always Working for Scalability'.

★ Think of EC2 as 'Elastic Compute Cloud' for easy recall.

★ Use the acronym 'S3' to remember 'Simple Storage Service'.

COMMON MISTAKES

✗ Confusing AWS services with traditional IT infrastructure.

✗ Underestimating costs due to the pay-as-you-go model.

✗ Neglecting security best practices in cloud environments.

QUICK RECAP

AWS Fundamentals covers essential cloud concepts and services provided by Amazon Web Services. Understanding scalability, pricing models, and global infrastructure is crucial for effective cloud management.