



# 30-Day AWS Study Plan



## Day 1: Introduction to AWS - Understanding the Basics



### Topics to Cover:

- ✓ What is AWS?
- ✓ Why Use AWS?
- ✓ Key AWS Services Overview
- ✓ AWS Global Infrastructure
- ✓ AWS Free Tier & Account Setup



### Q&A for Day 1

## 1. What is AWS?

- ✓ Answer:

AWS (Amazon Web Services) is a cloud computing platform that provides a wide range of on-demand services such as computing power, storage, databases, networking, and security. It allows businesses to build and scale applications without managing physical hardware.

## 2. Why Use AWS?

- ✓ Answer:

AWS is widely used due to its:

Scalability – Easily scale resources up or down.

Cost-effectiveness – Pay-as-you-go pricing model.

Security – Offers robust security measures and compliance.

Global Reach – Multiple data centres worldwide.

Flexibility – Supports various operating systems, databases, and development frameworks.

### 3. What Are Some Key AWS Services?

✅ Answer:

AWS offers numerous services, but some fundamental ones include:

Compute – EC2 (Virtual Machines), Lambda (Serverless)

Storage – S3 (Object Storage), EBS (Block Storage), Glacier (Backup)

Databases – RDS (Relational DB), DynamoDB (NoSQL), Redshift (Data Warehouse)

Networking – VPC, Route 53 (DNS), CloudFront (CDN)

Security – IAM (Identity & Access Management), KMS (Encryption), WAF (Web Firewall)

### 4. What is the AWS Global Infrastructure?

✅ Answer:

AWS operates in multiple Regions worldwide, each containing multiple Availability Zones (AZs) to provide redundancy and fault tolerance.

Region – A specific geographical area (e.g., US-East-1, AP-South-1).

Availability Zone (AZ) – A data center within a region ensuring high availability.

Edge Locations – Used for content delivery with services like CloudFront.

### 5. How Can I Create an AWS Free Tier Account?

✅ Answer:

Go to AWS Official Website.

Click “Create an AWS Account”.

Provide your email, phone number, and billing details.

Choose Free Tier (valid for 12 months with limited usage).

Verify identity and log in to AWS Console.

◆ **Next Up: Day 2 - AWS Identity and Access Management (IAM)**