



# **AWS** **Cloud** **Engineer**

**Training**



## Introduction to Cloud Computing

### AWS Services:

- › AWS Global Infrastructure
- › AWS Organizations

### Topics:

- › Cloud Fundamentals
- › IaaS, PaaS, SaaS
- › Public, Private, Hybrid Cloud
- › Regions, AZs, Edge Locations
- › Shared Responsibility Model

## Networking Fundamentals

### AWS Services:

- › Amazon VPC
- › Route 53
- › Elastic Load Balancer

### Topics:

- › OSI & TCP/IP Models
- › IP Addressing
- › CIDR & Subnetting
- › DNS
- › NAT
- › Routing
- › Firewalls
- › Load Balancing

## Identity and Access Management (IAM)

### AWS Services:

- › IAM
- › AWS Organizations
- › AWS Identity Center

## AWS Storage Services

### AWS Services:

- › Amazon S3
- › Amazon EBS
- › Amazon EFS
- › AWS Backup
- › AWS Storage Gateway

## Linux Administration for Cloud Engineers

### AWS Services:

- › Amazon EC2
- › AWS Systems Manager (SSM)

### Topics:

- › Linux Basics
- › File System
- › Users & Groups
- › Permissions
- › Process Management
- › Shell Scripting
- › Cron Jobs
- › Troubleshooting

## AWS Fundamentals

### AWS Services:

- › AWS Management Console
- › AWS CLI
- › AWS CloudShell

## Amazon EC2

### AWS Services:

- › EC2
- › EBS
- › AMI
- › Elastic IP
- › Auto Scaling

## AWS Networking (VPC)

### AWS Services:

- › Amazon VPC
- › NAT Gateway
- › Internet Gateway
- › VPC Peering
- › Transit Gateway
- › VPC Endpoint

## Databases on AWS

### AWS Services:

- › Amazon RDS
- › Amazon DynamoDB
- › Amazon DocumentDB
- › Amazon ElastiCache

## DNS and Content Delivery

### AWS Services:

- › Amazon Route 53
- › Amazon CloudFront

## Infrastructure as Code (Terraform)

### AWS Services:

- › Terraform
- › AWS CloudFormation

## Security and Compliance

### AWS Services:

- › AWS KMS
- › AWS Secrets Manager
- › AWS WAF

## Real-Time Industry Projects

### AWS Services:

- › VPC
- › EC2
- › ALB
- › Auto Scaling
- › Lambda
- › RDS
- › CloudFront
- › Route 53
- › EKS

## Elastic Load Balancer & Auto Scaling

### AWS Services:

- › Application Load Balancer (ALB)
- › Network Load Balancer (NLB)
- › Auto Scaling Groups

## Monitoring and Logging

### AWS Services:

- › Amazon CloudWatch
- › AWS Config
- › AWS CloudTrail

## Containers and Kubernetes

### AWS Services:

- › Docker
- › Amazon ECS
- › Amazon ECR
- › Amazon EKS

## Serverless Computing

### AWS Services:

- › AWS Lambda
- › Amazon SNS
- › Amazon EventBridge
- › Amazon SQS
- › Amazon API Gateway

## Interview Preparation


### AWS Services:

- › Linux Interview Questions
- › Networking Interview Questions
- › AWS Interview Questions
- › Terraform Interview Questions
- › Docker Interview Questions
- › Kubernetes Interview Questions
- › Resume Building
- › Mock Interviews



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