



AMAZON WEB SERVICES (AWS)

IAM . EC2 . S3 . VPC . AMAZO
RDS . LAMBDA . CLOUDFRONT
TO SCALING . CLOUDWATCH

DURATION

70 Hours

LEVEL

**Beginner to
Advanced**

MODULES

10

MODE

**Classroom ·
Online · Hybrid**

01 COURSE OVERVIEW

A complete AWS course covering the core compute, storage, network and managed services used in production. Each service is introduced with its pricing model and failure modes, then configured by hand in the console and again through the CLI and CloudFormation, so learners understand what the automation is doing.

The course ends with a three-tier application deployed across availability zones with monitoring and cost controls in place.

WHO IT IS FOR

System and network administrators

Developers deploying to AWS

Support engineers moving into cloud

Graduates preparing for AWS certification

PREREQUISITES

Basic networking, Linux command line and one programming language.

02 LEARNING OUTCOMES

01 Design least-privilege IAM roles and policies.

03 Design VPCs with public and private subnets.

05 Run managed databases on RDS and DynamoDB.

07 Monitor cost, health and logs with CloudWatch.

02 Launch, secure and scale EC2 workloads.

04 Serve static and dynamic content with S3 and CloudFront.

06 Automate infrastructure with CloudFormation.

01 CLOUD AND AWS FOUNDATIONS

Cloud service models

Regions and availability zones

Free tier and pricing

AWS global infrastructure

Shared responsibility

Support plans

LAB

ACCOUNT SETUP AND BUDGET ALARMS

02 IDENTITY AND ACCESS MANAGEMENT

Users and groups

Policies

MFA

Federation basics

Roles

Permission boundaries

Access keys

LAB

LEAST-PRIVILEGE POLICY

03 COMPUTE

EC2 instance families

Key pairs

Elastic IPs

EBS and EFS

AMIs

Security groups

User data

Snapshots

LAB

WEB SERVER ON EC2

04 NETWORKING

VPC design

Route tables

Security groups vs NACLs

Route 53

Subnets

Internet and NAT gateways

VPC peering

LAB

TWO-TIER VPC

05 STORAGE AND CONTENT DELIVERY

S3 buckets and classes

Lifecycle rules

Static hosting

Signed URLs

Versioning

Bucket policies

CloudFront

LAB

STATIC SITE WITH CDN

06 DATABASES

RDS engines

Backups

DynamoDB tables and indexes

Multi-AZ and read replicas

Parameter groups

ElastiCache basics

LAB

RDS-BACKED APPLICATION

07 SCALING AND LOAD BALANCING

Elastic Load Balancer types

Health checks

Auto Scaling policies

Target groups

Launch templates

Session handling

LAB

AUTO-SCALING WEB TIER

08 SERVERLESS AND INTEGRATION

Lambda

SNS

EventBridge

API Gateway

SQS

Step Functions basics

LAB

SERVERLESS API

09 MONITORING, SECURITY AND COST

CloudWatch metrics, logs and alarms

Config

Secrets Manager

Budgets

CloudTrail

KMS

Cost Explorer

LAB

ALARM AND LOG PIPELINE

10 INFRASTRUCTURE AS CODE AND PROJECTS

CloudFormation templates

Stack updates

CLI and SDK basics

Parameters and outputs

Drift

PROJECT

THREE-TIER APPLICATION DEPLOYED AND MONITORED

04 ASSESSMENT & CERTIFICATION

Module assignments and labs	25%
Mini projects	20%
Internal assessments	15%
Final project and review	40%

CERTIFICATION

Learners who complete all modules, submit the final project and clear the review receive a course completion certificate from Kaizen Infinities Private Limited. Project work is documented for the learner's portfolio, and interview preparation is included in the closing sessions.

05 CAREER OUTCOMES

ROLES THIS PROGRAMME PREPARES FOR

AWS CLOUD ENGINEER

CLOUD ADMINISTRATOR

DEVOPS ENGINEER

SOLUTIONS ARCHITECT (ASSOCIATE)

CLOUD SUPPORT ENGINEER

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