

AWS CLOUD PROFESSIONAL



COURSE LEVEL
BEGINNER TO ADVANCED

DURATION
2 MONTHS

MENTOR



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AWS CLOUD PROFESSIONAL

LESSON OVERVIEW

← LESSON 1 – INTRODUCTION TO AWS

- 1.1: Getting Started with AWS
- 1.2: Basic Account Management Setting
- 1.3: Management of Billing Dashboard & Cost optimization
- 1.4: Overview of Billing Dashboard and Cost Optimization in AWS

← LESSON 2 – AWS IAM (IDENTITY & ACCESS MANAGEMENT) SERVICE

- 2.1: Introduction to Identity & Access Management
- 2.2: Basics of Authentication & Authorization
- 2.3: Creating and Managing Users & Groups
- 2.4: Activate MFA
- 2.5: Policy and Role
- 2.6: Basic Account Setting

← LESSON 3 – AWS EC2 (ELASTIC COMPUTE CLOUD) SERVICE

- 3.1: Introduction to Elastic Cloud Compute
- 3.2: Instance
- 3.3: Images
- 3.4: Elastic Block Store
- 3.5: Network & Security
- 3.6: Load Balancing
- 3.7: Auto Scaling

← LESSON 4 – AWS VPC (VIRTUAL PRIVATE CLOUD)

- 4.1: Virtual Private Cloud
- 4.2: Security
- 4.3: DNS Firewall
- 4.4: Network Firewall
- 4.5: Virtual Private Network
- 4.6: Transit Gateway

Mini Project 1: Setting Up a Secure Multi-Tier Architecture in AWS VPC

Mini Project 2: Setting Up a Secure Multi-Tier Architecture in AWS VPC



👉 **LESSON 5 – AWS S3 (SIMPLE STORAGE SERVICE)**

- 5.1: Introduction to Simple Storage Service
- 5.2: AMAZON S3
- 5.3: Storage Lens
- 5.4: S3 Versioning , Server access logging, Object lock
- 5.5: Hosting a Static Website on S3

👉 **LESSON 6 –AWS CLOUD WATCH**

- 6.1: Overview of CloudWatch
- 6.2: Logs in AWS
- 6.3: Metrics in AWS
- 6.4: X-Ray Trace in AWS
- 6.5: Events in AWS
- 6.6: Application Signals in AWS
- 6.7: Network Monitoring in AWS
- 6.8: Insights in AWS

👉 **LESSON 7 – BACKUP IN AWS**

- 7.1: My Account
- 7.2: AWS Backup External Resource
- 7.3: My Organization
- 7.4: Backup Audit Manager

👉 **LESSON 8 – AWS WAF & SHIELD**

- 8.1: AWS WAF
- 8.2: AWS Shield
- 8.3: AWS Firewall Manager

👉 **LESSON 9 – AWS SIMPLE EMAIL SERVICE**

- 9.1: AWS SES
- 9.2: AWS SES Configuration

👉 **LESSON 10 – AWS BILLING AND COST MANAGEMENT**

- 10.1: Billing and Payments
- 10.2: AWS Cost Analysis
- 10.3: AWS Cost Organization
- 10.4: AWS Budgets and Planning
- 10.5: AWS Saving Plans
- 10.6: AWS Reservation
- 10.7: AWS Preference & Setting