

AWS Solution Architect Associate Certification Course

Course outline

1. Introduction

- Course overview
- Exam Blue Print
- Public clouds & cloud economics
- AWS Overview & Whitepapers
- Setting up AWS Account

2. Identity and Access Management (IAM)

- Service overview
 - Local users, groups & roles
 - SAML providers
 - Policies
 - Cross Account Access
- Best practices & Examples
- Lab
- Exam highlights
- Sample questions

3. Simple Storage Service (S3) & Glacier

- Service overview
 - Buckets
 - Objects
 - Lifecycle
 - Configurations and permissions
 - Custom bucket policies
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

4. Virtual Private Cloud (VPC)

- Service overview
 - VPC
 - Internet gateway vs NAT Gateway
 - Elastic IPs
 - Subnets & Routing tables
 - Security Groups & Network Access Lists
 - VPC Peering & Endpoints
 - Managed VPN Connections
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

5. Elastic Compute Cloud (EC2)

- Service overview
 - Instances
 - Amazon Machine Images(AMIs)
 - Elastic Block Store (EBS)
 - Network & Security
 - Load Balancers (ELB)
 - Auto Scaling Groups (ASG)
 - Instance Management
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

6. Route53

- Service overview
 - Hosted Zones
 - Health checks
 - Traffic flow
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

7. Relational Database Service (RDS)

- Service overview
 - Engine types
 - Performance & Resilience
 - Subnet groups
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

8. CloudWatch

- Service overview
 - Dashboard and Metrics
 - CloudWatch logs
 - CloudWatch rules
- Best Practices & Examples
- Lab
- Exam highlights
- Sample questions

9. Other AWS Services Simple Overview

- CloudFront
- DynamoDB
- ElastiCache
- Redshift
- SQS
- SWF
- SNS
- Elastic Transcoder

- API Gateway
- Kinesis
- CloudFormation
- Exam highlights
- Sample questions

10. Multiple AWS Services exercise:

- Lab 1 - Architecting multi-tier environment
- Lab 2 - Configure backup and monitoring

Practice Exam