AWS Solution Architect Associate

Course content

1. Introduction & Overview
    - 1.1. Group Introduction
        - 1.1.1. About Us
    - 1.2. Course Introduction
        - 1.2.1. Course Prerequisites
        - 1.2.2. Eligibility Criteria
        - 1.2.3. Passing Criteria
        - 1.2.4. After completing this course
        - 1.2.5. Who is Solution Architect?
    - 1.3. The History Of AWS
        - 1.3.1. Timeline of AWS
        - 1.3.2. Service Announcements and Updates
        - 1.3.3. Gartner Magic Quadrant 2019
    - 1.4. AWS General Overview
        - 1.4.1. The AWS Platform
        - 1.4.2. AWS Global Infrastructure
            - 1.4.2.1. Region and Availability Zone
            - 1.4.2.2. Edge Location
        - 1.4.3. AWS Services Overview
            - 1.4.3.1. Compute Services
            - 1.4.3.2. Storage
            - 1.4.3.3. Migration and Transfer
            - 1.4.3.4. Networking and Content Delivery
            - 1.4.3.5. Developer Tools
    - 1.5. How To Sign Up To AWS.
    - 1.6. Introduction & Overview Quiz

2. Identity Access Management & S3
    - 2.1. IAM 101
    - 2.2. IAM Lab
    - 2.3. Create A Billing Alarm
    - 2.4. S3 101
    - 2.5. Let's Create An S3 Bucket
    - 2.6. S3 Security And Encryption

2.7. S3 Version Control
2.8. S3 Lifecycle Management and Glacier
2.9. Cross Region Replication
2.10. Transfer Acceleration
2.11. CloudFront Overview
2.12. CloudFront Lab
2.13. Snowball Overview
2.14. Snowball Lab
2.15. Storage Gateway
2.16. Identity Access Management & S3 Summary
2.17. Identity Access Management & S3 Quiz

3. EC2

3.1. EC2 101
3.2. Let's Get Our Hands Dirty With EC2 - Part 1
3.3. Let's Get Our Hands Dirty With EC2 - Part 2
3.4. Security Groups Basics
3.5. EBS 101
3.6. Volumes & Snapshots
3.7. AMI Types (EBS vs Instance Store)
3.8. Encrypted Root Device Volumes & Snapshots
3.9. AWS This Week
3.10. CloudWatch 101
3.11. CloudWatch Lab
3.12. The AWS Command Line
3.13. Using IAM Roles With EC2
3.14. Using Boot Strap Scripts
3.15. EC2 Instance Meta Data
3.16. Elastic File System
3.17. EC2 Placement Groups
3.18. EC2 Summary
3.19. EC2 Quiz

4. Databases On AWS

4.1. Databases 101
4.2. Let's Create An RDS Instance
4.3. RDS Backups, Multi-AZ & Read Replicas
4.4. RDS Backups, Multi-AZ & Read Replicas - Lab
4.5. DynamoDB

4.6. Redshift
4.7. Aurora
4.8. Elasticache
4.9. Databases Summary
4.10. Guru Of The Week
4.11. Databases on AWS Quiz

5. Route53

5.1. DNS 101
5.2. Route53 - Register A Domain Name Lab
5.3. Route53 Routing Policies Available On AWS
5.4. Simple Routing Policy Lab
5.5. Weighted Routing Policy Lab
5.6. Latency Routing Policy
5.7. Failover Routing Policy
5.8. Geolocation Routing Policy
5.9. Geoproximity Routing Policy (Traffic Flow Only)
5.10. Multivalue Answer
5.11. Route53 Summary
5.12. Route53 Quiz

6. VPCs

6.1. Introduction To VPCs
6.2. Build A Custom VPC - Part 1
6.3. Build A Custom VPC - Part 2
6.4. Network Address Translation (NAT)
6.5. Access Control Lists (ACL)
6.6. Custom VPCs and ELBs
6.7. VPC Flow Logs
6.8. Bastions
6.9. Direct Connect
6.10. VPC End Points
6.11. Summary
6.12. VPCs Quiz

7. HA Architecture

7.1. Load Balancers Theory
7.2. Load Balancers And Health Checks Lab

7.3. Advanced Load Balancer Theory
7.4. Autoscaling Groups Lab
7.5. HA Architecture
7.6. HA Word Press Site
7.7. Setting Up EC2
7.8. Adding Resilience And Autoscaling
7.9. Cleaning Up
7.10. CloudFormation
7.11. Elastic Beanstalk
7.12. Summary
7.13. HA Architecture Quiz

8. Applications

8.1. SQS
8.2. SWF
8.3. SNS
8.4. Elastic Transcoder
8.5. API Gateway
8.6. Kinesis
8.7. Web Identity Federation - Cognito
8.8. Summary
8.9. Applications Quiz

9. Serverless

9.1. Lambda Concepts
9.2. Let's Build A Serverless Webpage
9.3. Let's Build An Alexa Skill
9.4. Serverless Quiz
9.5. Discuss Certification Exam

10. Evaluation Test

Class Schedule

Total Sessions : 10

Class Days	:	Saturday / Sunday
Class Time	:	2:00 PM to 5:00 PM