

AWS Certified Solutions Architect - Associate

Content

Day 1

- **Module 1: Architecting Fundamentals**
 - AWS services
 - AWS infrastructure
 - AWS Well-Architected Framework
 - Hands-on lab: Explore and interact with the AWS Management Console and AWS Command Line Interface
- **Module 2: Account Security**
 - Principals and identities
 - Security policies
 - Managing multiple accounts
- **Module 3: Networking 1**
 - IP addressing
 - VPC fundamentals
 - VPC traffic security
- **Module 4: Compute**
 - Compute services
 - EC2 instances
 - Storage for EC2 instances
 - Amazon EC2 pricing options
 - AWS Lambda
 - Hands-on Lab: Build your Amazon VPC infrastructure

Day 2

- **Module 5: Storage**
 - Storage services
 - Amazon S3
 - Shared file systems
 - Data migration tools
- **Module 6: Database Services**
 - Database services
 - Amazon RDS
 - Amazon DynamoDB
 - Database caching
 - Database migration tools
 - Hands-on Lab: Create a database layer in your Amazon VPC infrastructure
- **Module 7: Monitoring and Scaling**
 - Monitoring
 - Alarms and events
 - Load balancing
 - Auto scaling
 - Hands-on Lab: Configure high availability in your Amazon VPC

- **Module 8: Automation**
 - AWS CloudFormation
 - Infrastructure management
- **Module 9: Containers**
 - Microservices
 - Containers
 - Container services

Day 3

- **Module 10: Networking 2**
 - VPC endpoints
 - VPC peering
 - Hybrid networking
 - AWS Transit Gateway
- **Module 11: Serverless**
 - What is serverless?
 - Amazon API Gateway
 - Amazon SQS
 - Amazon SNS
 - Amazon Kinesis
 - AWS Step Functions
 - Hands-on Lab: Build a serverless architecture
- **Module 12: Edge Services**
 - Edge fundamentals
 - Amazon Route 53
 - Amazon CloudFront
 - DDoS protection
 - AWS Outposts
 - Hands-on Lab: Configure an Amazon CloudFront distribution with an Amazon S3 origin
- **Module 13: Backup and Recovery**
 - Disaster planning
 - AWS Backup
 - Recovery strategies
 - Hands-on Lab: Capstone lab – Build an AWS Multi-Tier architecture