

Amazon AWS Certified Solutions Developer – Associate



Course Outline

1. Domain 1.0: AWS Fundamentals

- 1.1 Identify and recognize cloud architecture considerations, such as fundamental components and effective designs. Content may include the following:
- How to design cloud services
 - Database concepts
 - Planning and design
 - Familiarity with architectural trade-off decisions (high availability vs. cost, Amazon Relational Database Service (RDS) vs. installing your own database on Amazon Elastic Compute Cloud (EC2))
 - Amazon S3, Amazon Simple Workflow Service (SWS), and Messaging
 - DynamoDB, AWS Elastic Beanstalk, AWS CloudFormation
 - Elasticity and scalability

2. Domain 2.0: Designing and Developing

- 2.1 Identify the appropriate techniques to code a cloud solution. Content may include the following:
- Configure an Amazon Machine Image (AMI)
 - Programming with AWS APIs

3. Domain 3.0: Deployment and Security

- 3.1 Recognize and implement secure procedures for optimum cloud deployment and maintenance. Content may include the following:
- Cloud Security Best Practices

- 3.2 Demonstrate ability to implement the right architecture for development, testing, and staging environments.
Content may include the following:
- Shared Security Responsibility Model
 - AWS Platform Compliance
 - AWS security attributes (customer workloads down to physical layer)
 - Security Services
 - AWS Identity and Access Management (IAM)
 - Amazon Virtual Private Cloud (VPC)
 - CIA and AAA models, ingress vs. egress filtering, and which AWS services and features fit

4. Domain 4.0: Debugging

- Content may include the following:
- General troubleshooting information and questions
 - Best Practices in debugging