



Exam CLF-C01

## AWS Cloud Practitioner

Course Length : 7 Hours  
Professional Series : 1 Day  
Academic Series : 1 Week

### Module 1:

#### Cloud Concepts

- Define the AWS Cloud and its value proposition
- Identify aspects of AWS Cloud economics
- List the different cloud architecture design principles

### Module 2:

#### Security

- Define the AWS Shared Responsibility model
- Define AWS Cloud security and compliance concepts
- Identify AWS access management capabilities
- Identify resources for security support

### Module 3:

#### Technology

- Define methods of deploying and operating in the AWS Cloud
- Define the AWS global infrastructure
- Identify the core AWS services
- Identify resources for technology support

### Module 4:

#### Billing and Pricing

- Compare and contrast the various pricing models for AWS
- Recognize the various account structures in relation to AWS billing and pricing
- Identify resources available for billing support

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Exam SAA-C02

## AWS Certified Solutions Architect – Associate

Course Length : 24 Hours  
Professional Series : 3 Days  
Academic Series : 4 Weeks

### Module 1:

#### Design Resilient Architectures

- Design a multi-tier architecture solution
- Design highly available and/or fault-tolerant architectures
- Design decoupling mechanisms using AWS services
- Choose appropriate resilient storage

### Module 2:

#### Design High-Performing Architectures

- Identify elastic and scalable compute solutions for a workload
- Select high-performing and scalable storage solutions for a workload
- Select high-performing networking solutions for a workload
- Choose high-performing database solutions for a workload

### Module 3:

#### Design Secure Applications and Architectures

- Design secure access to AWS resources
- Design secure application tiers
- Select appropriate data security options

### Module 4:

#### Design Cost-Optimized Architectures

- Identify cost-effective storage solutions
- Identify cost-effective compute and database services
- Design cost-optimized network architectures

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Exam SOA-C01

## AWS SysOps Administrator – Associate

Course Length : 24 Hours  
Professional Series : 3 Days  
Academic Series : 4 Weeks

### Module 7: Automation and Optimization

- Use AWS services and features to manage and assess resource utilization
- Employ cost-optimization strategies for efficient resource utilization
- Automate manual or repeatable process to minimize management overhead

### Module 1: Monitoring and Reporting

- Create and maintain metrics and alarms utilizing AWS monitoring services
- Recognize and differentiate performance and availability metrics
- Perform the steps necessary to remediate based on performance and availability metrics

### Module 2: High Availability

- Implement scalability and elasticity based on use case
- Recognize and differentiate highly available and resilient environments on AWS

### Module 3: Deployment and Provisioning

- Identify and execute steps required to provision cloud resources
- Identify and remediate deployment issues

### Module 4: Storage and Data Management

- Create and manage data retention
- Identify and implement data protection, encryption, and capacity planning needs

### Module 5: Security and Compliance

- Implement and manage security policies on AWS
- Implement access controls when using AWS
- Differentiate between the roles and responsibility within the shared responsibility model

### Module 6: Networking

- Apply AWS networking features
- Implement connectivity services of AWS
- Gather and interpret relevant information for network troubleshooting

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Exam DVA-C01

## AWS Certified Developer – Associate

Course Length : 24 Hours  
Professional Series : 3 Days  
Academic Series : 4 Weeks

### Module 1: Deployment

- Deploy written code in AWS using existing CI/CD pipelines, processes, and patterns.
- Deploy applications using Elastic Beanstalk.
- Prepare the application deployment package to be deployed to AWS.
- Deploy serverless applications.

### Module 2: Security

- Make authenticated calls to AWS services.
- Implement encryption using AWS services.
- Implement application authentication and authorization.

### Module 3: Development with AWS Services

- Write code for serverless applications.
- Translate functional requirements into application design.
- Implement application design into application code.
- Write code that interacts with AWS services by using APIs, SDKs, and AWS CLI.

### Module 4: Refactoring

- Optimize application to best use AWS services and features.
- Migrate existing application code to run on AWS.

### Module 5: Monitoring and Troubleshooting

- Write code that can be monitored.
- Perform root cause analysis on faults found in testing or production.

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