



AWS Developer

Associate Certification Training

Syllabus

AWS Developer Associate Certification Training

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Part 1- AWS Overview

- Basic Concepts of Cloud Computing
- AWS Overview
- AWS Services
- Other AWS Services and Security
- Practice Assignment: AWS Fundamental Overview
- Quiz

Part 2- IAM Overview

- Basic Concepts of IAM
- IAM Terminology
- IAM Best Practices and Important Facts
- Access Keys and Security Credentials
- AWS Identity Federation
- Practice Assignment: Use IAM roles to access resources from different AWS accounts
- Quiz

Part 3- Amazon Elastic Compute Cloud (EC2)

- Basic Concepts of EC2
- EC2 Instance Creation Process
- EC2 Advanced Features
- Practice Assignment: EC2 Instance
- Quiz

Part 4- Simple Storage Service (S3)

- Basic Concepts of S3
- S3 Deep Dive
- Practice Assignment: Perform Amazon S3 bucket operations
- Quiz

Part 5- AWS DB Services

- Basic Concepts of RDS
- RDS Backups and Replicas
- RDS Management and Maintenance
- Other Database Services
- Practice Assignment: AWS DB Services
- Quiz

Part 6 - AWS DynamoDB

- Basic Concepts of DynamoDB
- Capacity and Throughput Management
- Access Control and Data Migration
- Practice Assignment: Amazon DynamoDB
- Quiz

Part 7 - AWS Application Services

- Basic Concepts of SQS
- SQS – Deep Dive
- Simple Notification Service – Overview
- Other Application Services – Overview
- Practice Assignment: AWS Application Services
- Quiz

Part 8 - Cost Management

- Practice Assignment: Cost Management
- Quiz

Part 9 - Management Tools, Lambda, and Kinesis

- Basic Concepts of CloudFormation
- Basic Concepts of Elastic Beanstalk
- Basic Concepts of Lambda
- Basic Concepts of Kinesis
- Practice Assignment: Cloud Formation
- Quiz

Part 10 – VPC

- Basic Concepts of VPC
- VPC – Deep Dive
- VPC – NAT, VPN, and Peering
- Practice Assignment: Amazon VPC
- Quiz

Part 11 - Route 53

- Basic Concepts of Route 53
- Practice Assignment: Routing traffic to reduce latency
- Quiz

Part 12 - SDK and CLI

- Basic Concepts of AWS SDK
- Basic Concepts of AWS CLI
- Practice Assignment: AWS SDK using Boto 3
- Quiz

Part 13 - AWS Security Features

- Basic Concepts of Security Features
- AWS Regulatory and Environment security
- AWS Security for Various AWS Services
- Practice Assignment: Shared Security
- Quiz

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