



AWS Developer Training - .NET

How to Conquer the AWS Certified
Developer - Associate (DVA-C02)
Exam



Exam Overview & Why Get Certified?



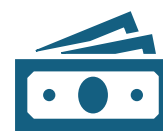
Exam Code: DVA-C02



Format: 65 questions,
multiple choice & multiple
response



Duration: 130 minutes



Cost: \$150 USD



Question Types: Scenario-
based, best practice,
troubleshooting.

The Official Exam Guide - Know Your Weightings

Domain 1: Deployment (22%): CDK, SAM, Elastic Beanstalk, CI/CD (CodeSuite)

Domain 2: Security (26%): IAM, Cognito, Encryption, Least Privilege

Domain 3: Development with AWS Services (30%): Lambda, API Gateway, DynamoDB, SQS, SNS, Kinesis

Domain 4: Refactoring (10%): Migrating to serverless, optimizing services.

Domain 5: Monitoring and Troubleshooting (12%): CloudWatch, X-Ray, debugging.

Key Services to Practice:

- **IAM:** Create users, roles, policies. Understand the difference.
- **Lambda:** Write functions in Python/Node.js. Trigger them from various sources.
- **API Gateway:** Create a REST API integrated with Lambda. Use stages and API keys.
- **DynamoDB:** Create tables. Practice RCU/WCU calculations, GSIs, LSIs, and Query vs. Scan.
- **S3:** Enable versioning, lifecycle policies, and pre-signed URLs.
- **SNS/SQS:** Set up a decoupled messaging system.
- **CI/CD:** Build a simple pipeline with CodeCommit, CodeBuild, and CodeDeploy.

Cheat Sheet:

DynamoDB: Partition vs. Sort Keys, RCU/WCU, Consistency Models, Indexes (GSI/LSI).

Lambda: Concurrency, Execution Roles, Triggers, Destinations, Versions/Aliases.

API Gateway: Endpoint Types, Caching, Authorization (IAM, Cognito, Custom Lambda), Usage Plans, Stages.

IAM: Role vs. Policy vs. User, Trust Policies, Permission Boundaries.

S3: Storage Classes, Encryption (SSE-S3, SSE-KMS, SSE-C), Cross-Region Replication (CRR).

SQS: Standard vs. FIFO, Visibility Timeout, Dead-Letter Queues (DLQ).

SNS: Topics, Subscriptions (HTTP, Lambda, SQS), Fan-Out pattern.

CloudWatch: Metrics, Alarms, Logs, Filters, CloudWatch Events (aka EventBridge).

X-Ray: Traces, Segments, Subsegments, Debugging performance issues.



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Questions!!

