

AWS Certified Developer DVA-C02 Exam Prep

AWS DVA-C02 Developer Associate. Lambda, DynamoDB, S3, and hands-on exam prep.

IT Certifications Instructor: Brian Taylor • 5 sections • 46 lessons • 15.25h total

[View this course online](#) [Browse all courses](#)

About this course

Preparing for the AWS Certified Developer Associate (DVA-C02) exam can feel overwhelming with so much to cover. This course cuts through the noise and gives you a clear, practical path, focusing on the real skills and services tested. You will learn to configure core AWS services like Lambda, DynamoDB, and S3 with step-by-step labs and practice exams.

Course curriculum

Foundations and Exam Overview

- **Understanding the DVA-C02 Exam Structure (12m)**
Learn what to expect on the exam, question types, and scoring. We'll break down the domains and how to plan your study time.
- **Setting Up Your AWS Free Tier Account (8m)**
A practical guide to creating and securing your AWS account for hands-on practice without unexpected costs.
- **Key AWS Services You Must Know for the Exam (18m)**
We'll cover the core services like EC2, S3, and IAM that form the foundation of the developer associate exam.
- **Using the AWS CLI for Exam Scenarios (15m)**
Get comfortable with command-line tools, as many exam questions simulate CLI tasks.
- **the AWS Console for Quick Navigation (10m)**
Learn how to find and configure services efficiently, saving you time during both study and the exam.
- **Downloading Your Study Plan Template (5m)**
Get a customizable study schedule to organize your learning and track progress toward the exam date.
- **Common Exam Pitfalls and How to Avoid Them (14m)**
We'll discuss typical mistakes developers make and how to sidestep them for a higher score.

Core AWS Developer Services

- **Building with AWS Lambda: A Practical Guide (22m)**
Learn how to create, deploy, and monitor Lambda functions with real code examples and best practices.
- **Working with Amazon DynamoDB: Design and Query (25m)**
Understand table design, secondary indexes, and efficient querying for the exam and real projects.
- **Storing Data with Amazon S3: Advanced Features (20m)**
Explore S3 storage classes, lifecycle policies, and security configurations that are frequently tested.
- **Integrating APIs with Amazon API Gateway (18m)**
Step-by-step on creating REST APIs, setting up stages, and handling authentication for exam scenarios.
- **Managing Secrets with AWS Secrets Manager (12m)**
Learn how to securely store and rotate credentials, a key topic for security questions on the exam.
- **Automating Deployments with AWS CodePipeline (24m)**
Build a CI/CD pipeline for a sample app, covering triggers, stages, and deployment strategies.
- **Using Amazon Cognito for User Authentication (16m)**
Implement user sign-up and sign-in flows, and learn how to secure your applications.
- **Monitoring with Amazon CloudWatch: Logs and Alarms (19m)**
Set up custom metrics, alarms, and dashboards to monitor your AWS applications effectively.

- **Problem-Solving Session: Real Exam Questions (30m)**
Work through a set of practice questions with detailed explanations to reinforce your understanding.

Deep Dive into Exam Domains

- **Domain 1: Development with AWS Services (28m)**
Focus on hands-on coding with AWS SDKs and integrating services like SQS and SNS.
- **Domain 2: Security and Compliance (26m)**
Cover IAM roles, policies, and encryption methods that are critical for the security domain.
- **Domain 3: Deployment and Operations (32m)**
Learn deployment strategies, rollback plans, and using AWS Elastic Beanstalk for easy deployments.
- **Case Study: Building a Serverless Web App (35m)**
A complete project walkthrough from design to deployment, applying all core services.
- **Troubleshooting Common AWS Issues (20m)**
A problem-solving session on debugging Lambda timeouts, DynamoDB errors, and more.
- **Optimizing Costs for Developer Projects (15m)**
Tips and tools for managing AWS costs, a practical skill beyond the exam.
- **Final Review: Key Concepts Cheat Sheet (10m)**
Downloadable cheat sheet summarizing must-know topics for last-minute review.
- **Practice Exam Simulation Part 1 (40m)**
Take a timed mock exam with questions mirroring the real DVA-C02 format.

Advanced Application and Scenarios

- **Advanced Lambda: Concurrency and Layers (24m)**
Dive into managing Lambda concurrency, using layers, and optimizing performance.
- **DynamoDB Deep Dive: Transactions and Global Tables (28m)**
Learn about transactions, global tables, and when to use them for high availability.
- **S3 Advanced: Cross-Region Replication and Access Points (22m)**
Configure replication for disaster recovery and use S3 Access Points for simplified access.
- **Integrating SQS and SNS for Decoupled Systems (20m)**
Build decoupled architectures using queues and pub/sub messaging patterns.
- **Using AWS Step Functions for Workflows (26m)**
Orchestrate multi-step processes with Step Functions, a key exam topic.
- **Serverless Containers with AWS Fargate (23m)**
Deploy containers without managing servers, and understand Fargate's role in the exam.
- **Real Case Study: E-commerce App Architecture (35m)**
Analyze a sample e-commerce app, discussing service choices and security.
- **Exam Strategy: Time Management and Question Triage (12m)**
Learn how to pace yourself and approach different question types strategically.
- **Hands-On Lab: Debugging a Multi-Service App (30m)**
A guided lab to fix issues in a deployed application, simulating real exam troubleshooting.
- **Practice Exam Simulation Part 2 (40m)**
Another full-length mock exam to build confidence and identify weak areas.

Implementation, Review, and Next Steps

- **Creating Your Personal Study Schedule (10m)**
Use our template to plan your final weeks of study based on your current knowledge.
- **Reviewing Weak Areas: Targeted Practice (18m)**
Strategies to focus on topics where you need more practice, with extra question sets.
- **AWS Whitepapers and Documentation for the Exam (15m)**
Which whitepapers to read and how to use AWS docs effectively for exam prep.
- **Community Resources and Study Groups (8m)**
How to find and use study groups, forums, and other resources for support.
- **Final Exam Day Checklist (7m)**
A step-by-step checklist for the day of the exam to ensure you're prepared.
- **Post-Exam: What to Do After Passing (12m)**
Next steps for your career, including badge sharing and continuing education.
- **Downloading the Complete DVA-C02 Study Guide (5m)**
Get a PDF guide with all key topics, tips, and a glossary of terms.
- **Bonus: Interview Questions for AWS Developers (20m)**
Common interview questions and how to answer them, to help you land a job post-certification.
- **Setting Up Your AWS Portfolio Project (25m)**
A guide to building a project for your portfolio using all the services covered.
- **Course Wrap-Up and Final Practice Exam (45m)**
A comprehensive final exam simulation with detailed feedback on your performance.
- **Accessing Updates for 2025 Exam Changes (5m)**
How to stay updated with any changes to the DVA-C02 exam format or content.
- **Q&A Session: Ask Your Questions (15m)**
A dedicated session to address any remaining doubts before you take the exam.

Discover our blog

Learn more with free articles written by our professors and guest experts.

Latest article: **[Flight Attendant Preparation: What to Study Before You Apply](#)**

[Visit the blog](#) [All courses](#) [This course](#)