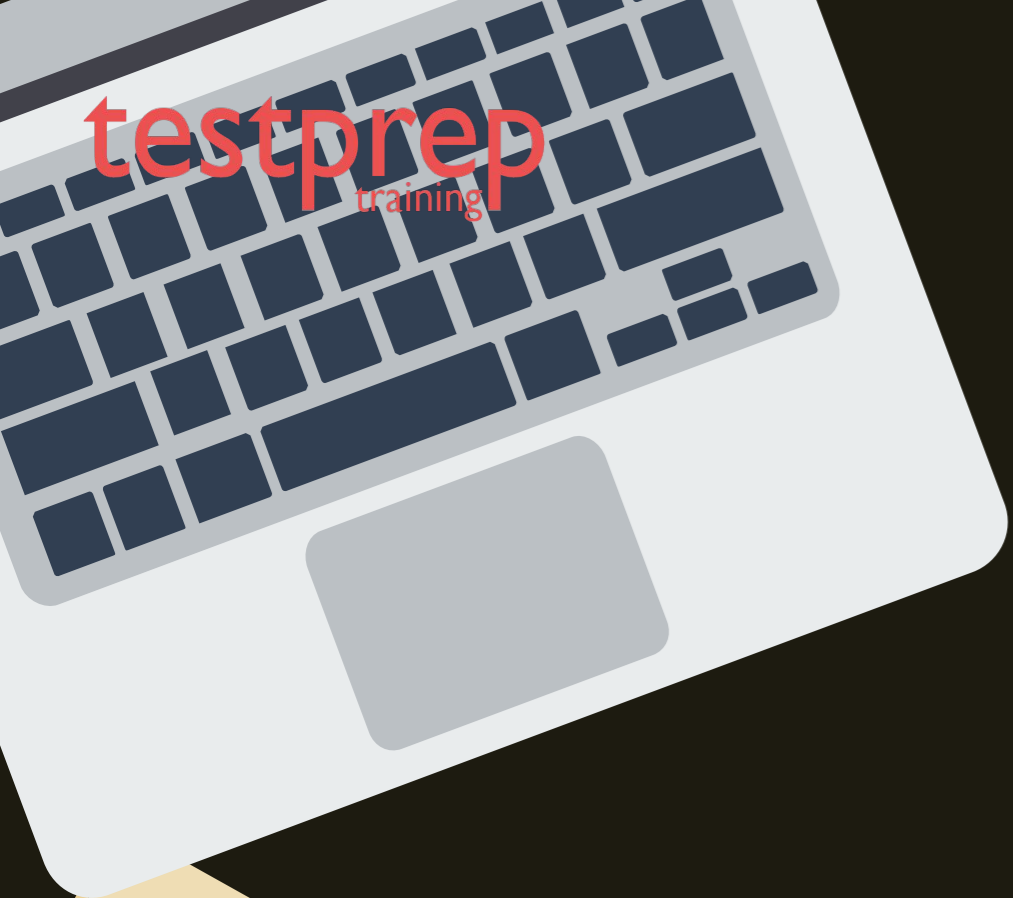# AWS Certified Developer - Associate

EXAMINATION CONTENT OUTLINE

About AWS Exam

Exam Process

- **AWS Certification helps learners build credibility and confidence** by validating their cloud expertise with an industry-recognized credential and organizations identify skilled professionals to lead cloud initiatives using AWS.

- Organizations need individuals with cloud skills to help transform their business. **AWS Training and Certification helps you build and validate your cloud skills so you can get more out of the cloud**. Our content is built by experts at AWS and updated regularly to keep pace with AWS updates, so you can be sure you're learning the latest and keeping your cloud skills fresh.

- **We offer both digital and classroom training**, so you can choose to learn online at your own pace or learn best practices from an instructor. Whether you are just starting out, building on existing IT skills, or sharpening your cloud knowledge, AWS Training and Certification can help you be more effective and do more in the cloud.

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Overview-of AWS Certified Developer - Associate

This AWS Certified Developer-Associate Examination (DVA-001) is intended for individuals who perform a Developer role.

It validates an examinee's ability to:

- Demonstrate an understanding of core AWS services, uses, and basic AWS architecture best practices.
- Demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS.

Examination Prerequisite

There are no prerequisites for taking the Developer-Associate examination.

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Overview-of AWS Certified Developer - Associate

Exam Preparation

These training courses and materials may be helpful for examination preparation:

AWS Training (aws.amazon.com/training)

- Developing on AWS: An instructor-led live or virtual 3-day course
- AWS Digital Training: Application Services, Developer Tools, and other services covered on the exam

AWS Whitepapers (aws.amazon.com/whitepapers) Kindle and .pdf

- AWS Security Best Practices whitepaper, August 2016
- AWS Well-Architected Framework whitepaper, November 2017
- Architecting for the Cloud AWS Best Practices whitepaper, February, 2016
- Practicing Continuous Integration and Continuous Delivery on AWS Accelerating Software Delivery with DevOps whitepaper, June 2017
- Microservices on AWS whitepaper, September 2017
- Serverless Architectures with AWS Lambda whitepaper, November 2017
- Optimizing Enterprise Economics with Serverless Architectures whitepaper, October 2017
- Running Containerized Microservices on AWS whitepaper, November 2017
- Blue/Green Deployments on AWS whitepaper, August 2016

AWS Certified Cloud Practitioner Eligibility

Recommended AWS Knowledge

- One or more years of hands-on experience developing and maintaining an AWS based application
- In-depth knowledge of at least one high-level programming language
- Understanding of core AWS services, uses, and basic AWS architecture best practices
- Proficiency in developing, deploying, and debugging cloud-based applications using AWS
- Ability to use the AWS service APIs, AWS CLI, and SDKs to write applications
- Ability to identify key features of AWS services
- Understanding of the AWS shared responsibility model
- Understanding of application lifecycle management
- Ability to use a CI/CD pipeline to deploy applications on AWS
- Ability to use or interact with AWS services
- Ability to apply a basic understanding of cloud-native applications to write code
- Ability to write code using AWS security best practices (e.g., not using secret and access keys in the code, instead using IAM roles)
- Ability to author, maintain, and debug code modules on AWS
- Proficiency writing code for serverless applications
- Understanding of the use of containers in the development process

AWS Certified Developer - Associate -Payment

Application Payment

• Our test delivery vendor, PSI, accepts Visa, MasterCard, or American Express card numbers. Discover, Diner's Club, and JCB cards are currently not accepted.

• For countries that have implemented a Value Added Tax (VAT), customers will be charged the applicable rate as determined by their country.

To generate a receipt

To generate a receipt for an exam you registered for in PSI, access your AWS Certification Account within the AWS Training and Certification Portal and click "Manage PSI Exams." From PSI, click "View Details" beside the scheduled exam to find the "Print Receipt" button.

Rescheduling/ Refund

Rescheduling or cancelling a PSI exam within 48 hours of your exam time will result in a USD 60 fee. You will not be able to reschedule or cancel an exam within 24 hours of exam time. If you miss your scheduled exam appointment, you will forfeit the exam fee and are not eligible for a refund. A full refund is provided if you cancel your exam with more than 48 hours' notice.

AWS Certified Developer - Associate

Exam Pattern

Each certification candidate is required to pass a written examination that consists of multiple-choice questions. The available mode of languages: English, Japanese, Korean, Simplified Chinese.
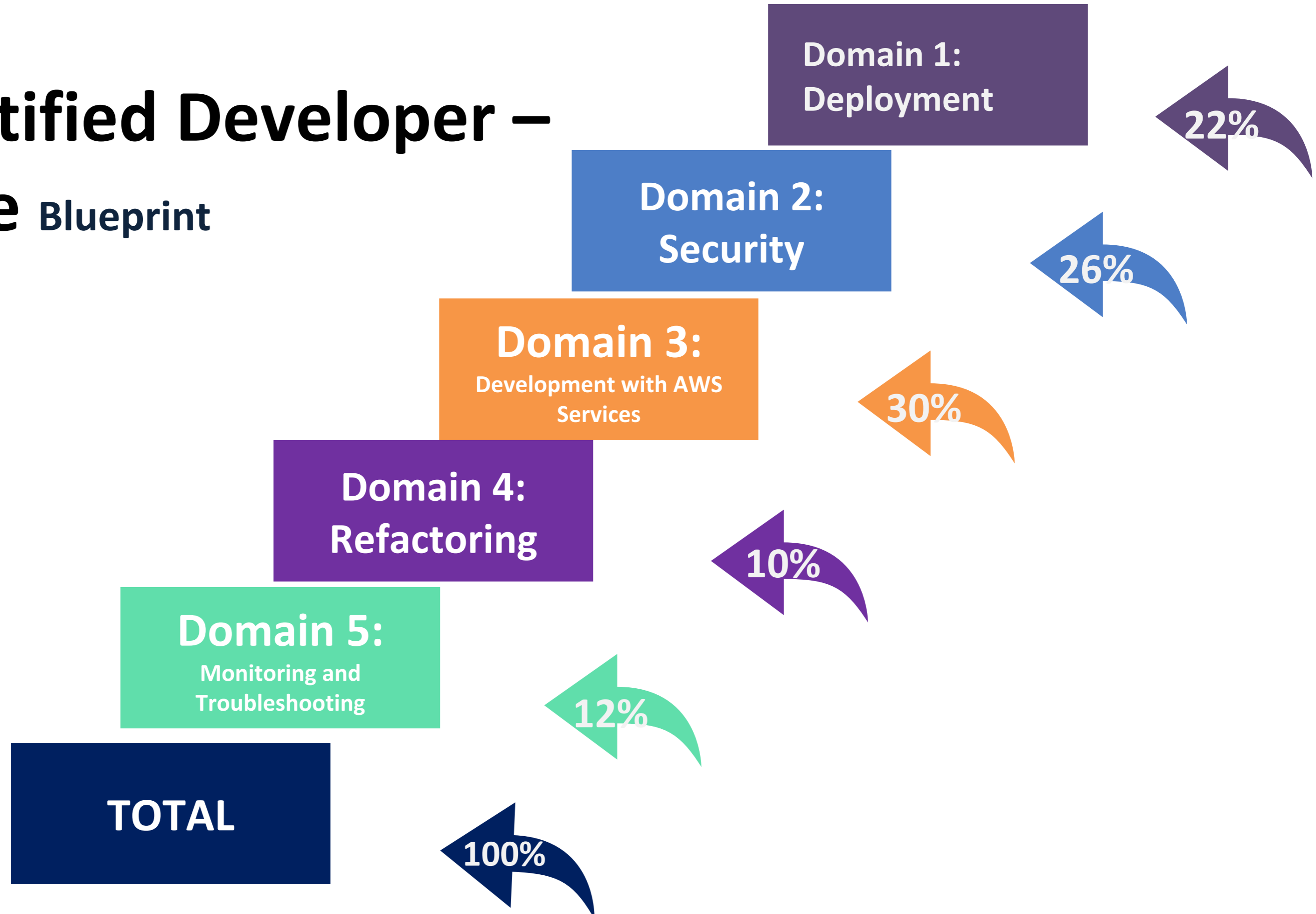
Response Types:

There are two types of questions on the examination:

- Multiple-choice: Has one correct response and three or four incorrect responses (distracters).
- Multiple-response: Has two or more correct responses out of five or more options.

Format	Duration	Number of questions
For Old version: MCQs/ Multiple answer	80 minutes	55
For New version: MCQs/ Multiple answer	130 minutes	65

AWS Certified Developer – Associate Blueprint

Domain 1: Deployment 22%

Domain 2: Security 26%

Domain 3: Development with AWS Services 30%

Domain 4: Refactoring 10%

Domain 5: Monitoring and Troubleshooting 12%

TOTAL 100%

1. Your CloudFormation template launches a two-tier web application in us-east-1. When you attempt to create a development stack in us-west-1, the process fails.

    A.   The AMIs referenced in the template are not available in us -west-1.
    B.   The IAM roles referenced in the template are not valid in us-west-1.
    C.   Two ELB Classic Load Balancers cannot have the same Name tag.
    D.   CloudFormation templates can be launched only in a single region.

    Ans: A. The AMIs referenced in the template are not available in us -west-1.

2. Your web application reads an item from your DynamoDB table, changes an attribute, and then writes the item back to the table. You need to ensure that one process doesn't overwrite a simultaneous change from another process.
How can you ensure concurrency?

    A.   Implement optimistic concurrency by using a conditional write.
    B.   Implement pessimistic concurrency by using a conditional write.
    C.   Implement optimistic concurrency by locking the item upon read.
    D.   { "Fn::FindInMap" : ["RegionMap", { "RegionMap" : "AWS::Region" }, "32"]}

    Ans: C. Implement optimistic concurrency by locking the item upon read.

3. You have reached your account limit for the number of CloudFormation stacks in a region.
How do you increase your limit?

    A.   Use the AWS Command Line Interface.
    B.   Send an email to limits@amazon.com with the subject "CloudFormation."
    C.   Use the Support Center in the AWS Management Console.
    D.   All service limits are fixed and cannot be increased.

    Ans: C. Use the Support Center in the AWS Management Console.

For free practiced test- https://www.testpreptraining.com/aws-certified-developer-associate-exam-free-practice-test

Why testpreptraining.com

AWS Certified Developer - Associate

◎ **30 Days Money Back Guarantee**

✓ **100% Unconditional Test Pass Guarantee**

▤ **100% Syllabus Covered : All Exam Objectives**

⚛ **Access On All Devices**

💡 **Online Email Support**

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AWS Certified Developer - Associate
Certification Exam

Lifetime Access | Free Mock Tests

Evaluate & Upgrade with Updated & Free Practice Test