

# AWS DVA-C02 Study Guide PDF

GRAB THE AWS-CDA CERTIFICATION PDF QUESTIONS & ANSWERS

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## Exam Summary – Syllabus –Questions

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**DVA-C02**

**AWS Certified Developer - Associate**

**65 Questions Exam – 720 / 1000 Cut Score – Duration of 130 minutes**

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## Get an Overview of the DVA-C02 Certification:

Who should take the [DVA-C02 exam](#)? This is the first question that comes to a candidate's mind when preparing for the AWS-CDA certification. The DVA-C02 certification is suitable for candidates who are keen to earn knowledge on the Associate and grab their AWS Certified Developer - Associate. When it is about starting the preparation, most candidates get confused regarding the study materials and study approach. But DVA-C02 study guide PDF is here to solve the problem. DVA-C02 PDF combines some effective sample questions and offers valuable tips to pass the exam with ease.

## Why Should You Earn the AWS DVA-C02 Certification?

There are several reasons why one should grab the DVA-C02 certification.

- The AWS-CDA certification proves to be one of the most recognized certifications.
- The certification badge proves the knowledge of the candidate regarding subject matters and makes his resume presentable to potential candidates.
- Thus earning the [AWS Certified Developer - Associate](#) is a powerful qualification for a prosperous career.

## What Is the DVA-C02 AWS-CDA Certification Exam Structure?

<b>Exam Name</b>	AWS Developer Associate (AWS-CDA)
<b>Exam Code</b>	DVA-C02
<b>Exam Price</b>	\$150 USD
<b>Duration</b>	130 minutes
<b>Number of Questions</b>	65
<b>Passing Score</b>	720 / 1000
<b>Recommended Training / Books</b>	<a href="#">Developing on AWS</a>
<b>Schedule Exam</b>	<a href="#">AWS Certification</a>

<b>Sample Questions</b>	<a href="#"><u>AWS DVA-C02 Sample Questions</u></a>
<b>Recommended Practice</b>	<a href="#"><u>AWS Certified Developer - Associate Practice Test</u></a>

## Enhance Knowledge with DVA-C02 Sample Questions:

### Question: 1

A developer is working on an application that stores highly confidential data in a database. The developer must use AWS Key Management Service (AWS KMS) with envelope encryption to protect the data.

How should the developer configure the data encryption to meet these requirements?

- a) Encrypt the data by using a KMS key. Store the encrypted data in the database.
- b) Encrypt the data by using a generated data key. Store the encrypted data in the database.
- c) Encrypt the data by using a generated data key. Store the encrypted data and the data key ID in the database.
- d) Encrypt the data by using a generated data key. Store the encrypted data and the encrypted data key in the database.

**Answer: d**

### Question: 2

A developer is creating a web application that must give users the ability to post comments and receive feedback in near real time. Which solutions will meet these requirements?

(Select TWO.)

- a) Create an AWS AppSync schema and corresponding APIs. Use an Amazon DynamoDB table as the data store.
- b) Create a WebSocket API in Amazon API Gateway. Use an AWS Lambda function as the backend. Use an Amazon DynamoDB table as the data store.
- c) Create an AWS Elastic Beanstalk application that is backed by an Amazon RDS database. Configure the application to allow long-lived TCP/IP sockets.
- d) Create a GraphQL endpoint in Amazon API Gateway. Use an Amazon DynamoDB table as the data store.
- e) Establish WebSocket connections to Amazon CloudFront. Use an AWS Lambda function as the CloudFront distribution's origin. Use an Amazon Aurora DB cluster as the data store.

**Answer: a, b**

**Question: 3**

A developer is building a web application that uses Amazon API Gateway. The developer wants to maintain different environments for development (dev) and production (prod) workloads. The API will be backed by an AWS Lambda function with two aliases: one for dev and one for prod.

How can the developer maintain these environments with the LEAST amount of configuration?

- a) Create a REST API for each environment. Integrate the APIs with the corresponding dev and prod aliases of the Lambda function. Deploy the APIs to their respective stages. Access the APIs by using the stage URLs.
- b) Create one REST API. Integrate the API with the Lambda function by using a stage variable in place of an alias. Deploy the API to two different stages: dev and prod. Create a stage variable in each stage with different aliases as the values. Access the API by using the different stage URLs.
- c) Create one REST API. Integrate the API with the dev alias of the Lambda function. Deploy the API to the dev environment. Configure a canary release deployment for the prod environment where the canary will integrate with the Lambda prod alias.
- d) Create one REST API. Integrate the API with the prod alias of the Lambda function. Deploy the API to the prod environment. Configure a canary release deployment for the dev environment where the canary will integrate with the Lambda dev alias.

**Answer: b**

**Question: 4**

A company is migrating a legacy application to Amazon EC2 instances. The application uses a user name and password that are stored in the source code to connect to a MySQL database.

The company will migrate the database to an Amazon RDS for MySQL DB instance. As part of the migration, the company needs to implement a secure way to store and automatically rotate the database credentials.

Which solution will meet these requirements?

- a) Store the database credentials in environment variables in an Amazon Machine Image (AMI). Rotate the credentials by replacing the AMI.
- b) Store the database credentials in AWS Systems Manager Parameter Store. Configure Parameter Store to automatically rotate the credentials.
- c) Store the database credentials in environment variables on the EC2 instances. Rotate the credentials by relaunching the EC2 instances.
- d) Store the database credentials in AWS Secrets Manager. Configure Secrets Manager to automatically rotate the credentials.

**Answer: d**

**Question: 5**

A company is using Amazon API Gateway for its REST APIs in an AWS account. A Developer wants to allow only IAM users from another AWS account to access the APIs.

Which combination of Steps should the developer take to meet these requirements?

(Select TWO.)

- a) Create an IAM permission policy. Attach the policy to each IAM user. Set the method authorization type
- a) for the APIs to AWS\_IAM. Use Signature Version 4 to sign the API requests.
- b) Create an Amazon Cognito user pool. Add each IAM user to the user pool. Set the method authorization
- c) type for the APIs to COGNITO\_USER\_POOLS. Authenticate by using the IAM credentials in Amazon
- d) Cognito. Add the ID token to the request headers.
- b) Create an Amazon Cognito identity pool. Add each IAM user to the identity pool. Set the method
- e) authorization type for the APIs to COGNITO\_USER\_POOLS. Authenticate by using the IAM credentials
- f) in Amazon Cognito. Add the access token to the request headers.
- c) Create a resource policy for the APIs to allow access for each IAM user only.
- d) Create an Amazon Cognito authorizer for the APIs to allow access for each IAM user only. Set the method authorization type for the APIs to COGNITO\_USER\_POOLS.

**Answer: a, d**

**Question: 6**

A developer is testing an application locally and has deployed the application to an AWS Lambda function. To avoid exceeding the deployment package size quota, the developer did not include the dependencies in the deployment file.

When the developer tests the application remotely, the Lambda function does not run because of missing dependencies. Which solution will resolve this issue?

- a) Use the Lambda console editor to update the code and include the missing dependencies.
- b) Create an additional .zip file that contains the missing dependencies. Include the .zip file in the original Lambda deployment package.
- c) Add references to the missing dependencies in the Lambda function's environment variables.
- d) Create a layer that contains the missing dependencies. Attach the layer to the Lambda function.

**Answer: d**

**Question: 7**

A developer wants to track the performance of an application that runs on a fleet of Amazon EC2 instances. The developer wants to view and track statistics, such as the average request latency and the maximum request latency, across the fleet. The developer wants to receive immediate notification if the average response time exceeds a threshold.

Which solution will meet these requirements?

- a) Configure a cron job on each EC2 instance to measure the response time and update a log file stored in an Amazon S3 bucket every minute. Use an Amazon S3 event notification to invoke an AWS Lambda function that reads the log file and writes new entries to an Amazon OpenSearch Service cluster. Visualize the results in OpenSearch Dashboards. Configure OpenSearch Service to send an alert to an Amazon Simple Notification Service (Amazon SNS) topic when the response time exceeds the threshold.
- b) Configure the application to write the response times to the system log. Install and configure the Amazon Inspector agent on the EC2 instances to continually read the logs and send the response times to Amazon EventBridge (Amazon CloudWatch Events). View the metrics graphs in the EventBridge (CloudWatch Events) console. Configure an EventBridge (CloudWatch Events) custom rule to send an Amazon Simple Notification Service (Amazon SNS) notification when the average of the response time metric exceeds the threshold.
- c) Configure the application to write the response times to a log file. Install and configure the Amazon CloudWatch agent on the EC2 instances to stream the application log to CloudWatch Logs. Create a metric filter of the response time from the log. View the metrics graphs in the CloudWatch console. Create a CloudWatch alarm to send an Amazon Simple Notification Service (Amazon SNS) notification when the average of the response time metric exceeds the threshold.
- d) Install and configure AWS Systems Manager Agent (SSM Agent) on the EC2 instances to monitor the response time and send the response time to Amazon CloudWatch as a custom metric. View the metrics graphs in Amazon QuickSight. Create a CloudWatch alarm to send an Amazon Simple Notification Service (Amazon SNS) notification when the average of the response time metric exceeds the threshold.

**Answer: c**

**Question: 8**

A developer is adding sign-up and sign-in functionality to an application. The application must make an API call to a custom analytics solution to log user sign-in events.

Which combination of actions should the developer perform to meet these requirements?

(Select TWO.)

- a) Use Amazon Cognito to provide the sign-up and sign-in functionality.
- b) Use AWS Identity and Access Management (IAM) to provide the sign-up and sign-in functionality.
- c) Configure an AWS Config rule to make the API call when a user is authenticated.
- d) Invoke an Amazon API Gateway method to make the API call when a user is authenticated.
- e) Invoke an AWS Lambda function to make the API call when a user is authenticated.

**Answer: a, e**

**Question: 9**

A developer is building a new application that transforms text files to .pdf files. A separate application writes the text files to a source Amazon S3 bucket. The new application must read the files as they arrive in Amazon S3 and must convert the files to .pdf files by using an AWS Lambda function. The developer has written an IAM policy to allow access to Amazon S3 and Amazon CloudWatch Logs.

What should the developer do to ensure that the Lambda function has the correct permissions?

- a) Create a Lambda execution role by using AWS Identity and Access Management (IAM). Attach the IAM policy to the role. Assign the Lambda execution role to the Lambda function.
- b) Create a Lambda execution user by using AWS Identity and Access Management (IAM). Attach the IAM policy to the user. Assign the Lambda execution user to the Lambda function.
- c) Create a Lambda execution role by using AWS Identity and Access Management (IAM). Attach the IAM policy to the role. Store the IAM role as an environment variable in the Lambda function.
- d) Create a Lambda execution user by using AWS Identity and Access Management (IAM). Attach the IAM policy to the user. Store the IAM user credentials as environment variables in the Lambda function.

**Answer: a**



### Question: 10

A developer is adding Amazon ElastiCache for Memcached to a company's existing record storage application. The developer has decided to use lazy loading based on an analysis of common record handling patterns. Which pseudocode example will correctly implement lazy loading?

- a) `record_value = db.query("UPDATE Records SET Details = {1} WHERE ID == {0}", record_key, record_value)`  
`cache.set (record_key, record_value)`
- b) `record_value = cache.get(record_key)`  
`if (record_value == NULL)`  
`record_value = db.query("SELECT Details FROM Records WHERE ID == {0}", record_key)`  
`cache.set (record_key, record_value)`
- c) `record_value = cache.get (record_key)`  
`db.query("UPDATE Records SET Details = {1} WHERE ID == {0}", record_key, record_value)`
- d) `record_value = db.query("SELECT Details FROM Records WHERE ID == {0}", record_key)`  
`if (record_value != NULL)`  
`cache.set (record_key, record_value)`

**Answer: b**

## What Study Guide Works Best in Acing the DVA-C02 AWS-CDA Certification?

The DVA-C02 study guide is a combination of some proven study tips and the combination of all valuable study materials like sample questions, syllabus and practice tests in one place.

### Explore the Syllabus Topics and Learn from the Core:

If you are determined to earn success in the AWS-CDA exam, getting in full touch of the [syllabus](#) is mandatory. During preparation, you might not like all syllabus sections or topics, but try to get at least the fundamental knowledge from the sections you don't like. The more you possess knowledge on all syllabus sections, the more is the chance to attempt maximum number of questions during the actual exam.

### Make Your Schedule:

Studying and completing the syllabus becomes easier, if you work on the syllabus topics after making a schedule. Your syllabus must mention what areas you want to cover and within what time. Once you make a schedule and follow

it regularly, syllabus completion becomes easier and preparation becomes smoother.

### **Get Expert Advice from the Training:**

Do not forget to join the AWS DVA-C02 training if it is providing any. Training enhances the practical knowledge of a candidate, which helps them to work well in the practical field during projects.

### **Get Access to the PDF Sample Questions:**

If your study material is in a [PDF format](#) or the materials are mobile-friendly, what could be better than that? Get access to the free sample questions and keep enhancing your knowledge beyond the syllabus.

### **Avoid Dumps and Utilize the AWS DVA-C02 Practice Test:**

Why should you rely on practice tests? The reason is simple: you must get familiar with the exam pattern before reaching the exam hall. An aspirant aware of the exam structure and time management during the exam preparation can perform well in the actual exam and attempt the maximum number of questions during the exam.

Many aspirants prefer to read from dumps, but they miss out on the self assessment method. Therefore, DVA-C02 practice tests always stand out to be the better choice than dumps PDF.

### **Avail the Proven DVA-C02 Practice Test for Success!!!**

Do you want to pass the DVA-C02 exam on your first attempt? Stop worrying; we, VMExam.com are here to provide you the best experience during your AWS Developer Associate preparation. Try out our free mock tests to get a glimpse of our quality study materials, and build your confidence with the premium [DVA-C02 practice tests](#). Our expert-designed questions help you to improve performance and pass the exam on your first attempt.