PRACTICE QUESTIONS

AWS

DVA-C03

AWS Certified Developer - Associate

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QUESTIONS	10
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EXAM	AWS DVA-C03, AWS Certified Developer - Associate

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10 practice questions for the AWS DVA-C03 exam, AWS Certified Developer - Associate, each followed by its answer and a short explanation. More free sets and the full practice exam: **aiexamcerts.com/aws/dva-c03**. Spotted a mistake? Email support@aiexamcerts.com with the exam code DVA-C03 and the question number.

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1. Five Lambda functions use the same third-party library, and the team wants to update it in one place without rebuilding every deployment package. What should they use?

A An environment variable holding the library's source code

B A Lambda layer that contains the library, attached to each function

C An EventBridge rule that copies the library into each function at runtime

D A separate dead-letter queue per function

Answer: B

Layers package shared libraries or runtime content that multiple functions can reference, so an update is made once and published as a new layer version. Environment variables are meant for small configuration values, not code.

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2. A team wants to release a new Lambda version to 10 percent of traffic first, then shift the rest after five minutes if no alarm fires. Which service handles this?

A AWS CloudFormation with a DeletionPolicy of Retain on the function

B Amazon Route 53 weighted records pointing at the function's name

C AWS CodeDeploy with a Lambda canary deployment configuration and an alias

D AWS Systems Manager Session Manager

Answer: C

CodeDeploy can shift Lambda alias traffic gradually using configurations such as canary and linear, and it can roll back when alarms trigger. Route 53 records point to endpoints and cannot split traffic between Lambda versions.

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3. An application in account A must read a bucket in account B. The security team forbids long-term credentials. What should the developer do?

A Create an IAM user in account B and share its access keys with the team in account A

B Create a role in account B that trusts account A and call sts:AssumeRole from the app

C Copy the bucket's objects to account A every night with a scheduled job and a long-term key

D Attach a resource policy to the STS service in account A

Answer: B

AssumeRole returns temporary credentials for a role whose trust policy lists the calling account or principal. Sharing access keys from an IAM user contradicts the rule against long-term credentials.

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4. An IAM identity policy that allows `kms:Decrypt` is always enough to use a customer managed KMS key, whatever the key policy says.

A True

B False

Answer: B (False)

Access to a KMS key is governed by its key policy, which must either allow the principal or enable IAM policies for the account. Without that, an identity policy alone does not grant use of the key.

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5. A chat application sends user prompts to a foundation model on Amazon Bedrock. The company needs to block hate speech, deny a list of topics and mask PII in both prompts and responses. Which feature should the developer apply?

A An S3 bucket policy applied to the bucket that archives the prompts

B AWS CodeArtifact repository permissions granted to the application

C An Application Load Balancer listener rule

D Amazon Bedrock Guardrails with content, topic and sensitive information filters

Answer: D

Guardrails evaluate both inputs and outputs and combine content filters, denied topic policies and PII handling in one configuration. A bucket policy controls storage access and does not inspect model traffic.

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6. Where must the AppSpec file be placed for an AWS CodeDeploy deployment to an Amazon EC2 instance?

A In the /etc directory of the instance

B In the root directory of the application revision

C In a subfolder named scripts inside the revision

D In the AWS CodeBuild project settings

Answer: B

For EC2 and on-premises deployments the file must be named `appspec.yml` and sit at the root of the revision, otherwise the deployment fails. The scripts it references can live in folders.

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7. Secrets stored in AWS Secrets Manager are encrypted at rest using an AWS KMS key.

A True

B False

Answer: A (True)

Secrets Manager always encrypts secret values with KMS, either the AWS managed key for the service or a customer managed key you choose. Access therefore also depends on the key's permissions.

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8. A pipeline in AWS CodePipeline must pause before deploying to production so a lead can approve it. Which action type should be added to the stage?

A A CodeBuild test action

B A source action pointing at another branch

C A manual approval action

D An invoke action for AWS Config

Answer: C

A manual approval action halts the pipeline until an authorized person approves or rejects, and it can notify them through SNS. A build action runs automatically and does not wait for a person.

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9. In Kubernetes on Amazon EKS, a _____ probe tells the platform when to restart a container that has become unresponsive.

Answer: liveness (also accepted: liveness probe)

A failing liveness probe causes the container to be restarted. A readiness probe instead controls whether the pod receives traffic.

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10. An Amazon SQS standard queue guarantees that messages are delivered exactly once and in the exact order they were sent.

A True

B False

Answer: B (False)

Standard queues offer at-least-once delivery and best-effort ordering, so duplicates and reordering can occur. FIFO queues provide exactly-once processing and ordering within a message group.