

PRACTICE QUESTIONS

AWS

DVA-C02

AWS Certified Developer - Associate

SHARED BY [u/Serene-Lambda-1497](#) on aiexamcerts

EDITION	Free Set 2
QUESTIONS	10
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EXAM	AWS DVA-C02, AWS Certified Developer - Associate

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10 practice questions for the AWS DVA-C02 exam, AWS Certified Developer - Associate, each followed by its answer and a short explanation. More free sets and the full practice exam:

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1. A consumer must reduce empty responses and the cost of polling an SQS queue. Which setting accomplishes this?
 - A A visibility timeout of zero seconds on the queue
 - B Long polling with a WaitTimeSeconds value greater than zero
 - C A FIFO queue with content-based deduplication enabled
 - D A dead-letter queue with a redrive policy attached to the source

Answer: B

Long polling lets ReceiveMessage wait for messages to arrive, which reduces empty responses and cost. Short polling is the default behavior when the wait time is zero, which makes it the tempting baseline. Visibility timeouts, deduplication and redrive policies affect message handling rather than the polling pattern.

2. An SQS standard queue guarantees strict first-in, first-out ordering of messages.
 - A True
 - B False

Answer: B (False)

Standard queues provide at-least-once delivery with best-effort ordering, so messages can arrive out of order and occasionally more than once. Strict ordering with deduplication is available only with FIFO queues. The statement is false.

3. Messages for each customer must be processed in order, while different customers can be processed in parallel. Which SQS feature supports this in a FIFO queue?
 - A A delay in seconds applied to each message on send
 - B A message attribute of the String data type
 - C The message group ID
 - D A dead-letter queue redrive setting

Answer: C

Messages that share a message group ID are delivered in order, and different groups can be processed concurrently. Delay seconds postpone visibility of each message, which does not preserve order. Message attributes carry metadata, and redrive settings handle repeated failures.

4. In an API Gateway REST API, a _____ defines throttling and quota limits for API keys across one or more stages.

Answer: usage plan

A usage plan associates API keys with rate limits, burst limits and quotas for selected stages. Stage settings control caching and logging rather than client quotas.

5. Which two statements about Lambda versions and aliases are correct? (Choose two.)

- A A published version is immutable, so its code and configuration do not change
- B \$LATEST is a safe production reference because it never changes unexpectedly
- C An alias can point to two versions with weights for a gradual traffic shift
- D An alias must be named after the Region where the function runs
- E Versions are created automatically each time the code is saved in the console

Answer: A, C

Published versions do not change, and weighted aliases split traffic between two versions for gradual releases. \$LATEST changes with every update, which makes it a tempting but risky production reference. Alias names are free, and versions are created only when they are published.

6. A Lambda function in a VPC must call a public API on the internet. Which network setup is required?

- A An internet gateway attached directly to the function's private subnet
- B A VPC endpoint configured to reach the public internet
- C A public IP address assigned to the function's network interface
- D A NAT gateway in a public subnet, with a route from the function's private subnet to it

Answer: D

Functions in private subnets reach the internet through a NAT gateway in a public subnet. An internet gateway alone does not give private addresses a route, which is the tempting mistake. VPC endpoints reach AWS services, and Lambda network interfaces do not receive public addresses.

7. An S3 bucket notification must invoke a Lambda function. Which configuration must exist for this to work?

- A A resource-based policy on the function that allows the S3 service principal to invoke it
- B An IAM policy on the S3 bucket that grants lambda:InvokeFunction to a wildcard principal
- C A Lambda layer that contains the S3 SDK libraries
- D A DynamoDB stream attached to the bucket as the event source

Answer: A

Lambda grants invocation through its resource-based policy, and the S3 service principal needs permission to call it. An IAM policy on the bucket cannot grant the function's invocation rights, which makes it a tempting but ineffective approach. Layers and DynamoDB streams are unrelated to S3 notifications.

8. An IAM policy condition can restrict access based on request properties such as the source IP address or the time of the request.
- A True
 - B False

Answer: A (True)

Condition elements compare request context values, including `aws:SourceIp` and `aws:CurrentTime`, against the values in the policy. This is a common way to restrict access without creating extra roles. The statement is true.

9. A web application stores session tokens in browser local storage. Which risk does this most directly increase?
- A Denial of service caused by too many concurrent sessions
 - B Cross-site scripting can expose the tokens to injected script
 - C Loss of durability for objects stored in the S3 bucket
 - D Higher read costs for the DynamoDB table behind the application

Answer: B

Scripts running in the page can read local storage, so an injected script can steal tokens. Cookies marked `HttpOnly` are not readable by script, which is why the choice matters. The distractors describe availability, durability and cost issues that are not caused by this storage choice.

10. Before deploying a SAM application, which command builds the code and installs dependencies into local build artifacts?
- A `sam build`
 - B `sam init`
 - C `sam logs`
 - D `sam local invoke`

Answer: A

The `sam build` command prepares the application's artifacts in the build directory, including dependency installation, so that `sam deploy` can package them. `sam init` creates a new project from a template. `sam logs` and `sam local invoke` read logs and run functions locally, which are tempting but later steps.