

# DVA-C01<sup>Q&As</sup>

AWS Certified Developer - Associate (DVA-C01)

## Pass Amazon DVA-C01 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.leads4pass.com/aws-certified-developer-associate.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Amazon  
Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers



**QUESTION 1**

A developer is building a highly secure healthcare application using .. application requires writing temporary data to /tmp storage on an AWS Lambda function. How should the developer encrypt this data?

- A. Enable Amazon EBS volume encryption with an AWS KMS .. configuration so that all storage attached to the Lambda function is encrypted.
- B. Set up the Lambda function with a role and key policy to access an AWS KMS CMK Use the CMK to generate a data key used to encrypt all data prior to writing to /tmp storage.
- C. Use OpenSSL to generate a symmetric encryption key on Lambda startup Use this key to encrypt the data prior to writing to /tmp.
- D. Use an on-premises hardware security module (HSM) to generate keys where the Lambda function requests a data key from the HSM and uses that to encrypt data on all requests to the function.

Correct Answer: D

---

**QUESTION 2**

An application running on an Amazon Linux EC2 instance needs to manage the AWS infrastructure. How can the EC2 instance be configured to make AWS API calls securely?

- A. Sign the AWS CLI command using the signature version 4 process.
- B. Run the aws configure AWS CLI command and specify the access key id and secret access key.
- C. Specify a role for the EC2 instance with the necessary privileges.
- D. Pass the access key id and secret access key as parameters for each AWS CLI command.

Correct Answer: C

---

**QUESTION 3**

An application uploads photos to an Amazon S3 bucket. Each photo that is uploaded to the S3 bucket must be resized to a thumbnail image by the application. Each thumbnail image is uploaded with a new name in the same S3 bucket. Which AWS service can a developer configure to directly process each single S3 event for each S3 object upload?

- A. Amazon EC2
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS Elastic Beanstalk
- D. AWS Lambda

Correct Answer: D

---

Reference: <https://docs.aws.amazon.com/lambda/latest/dg/with-s3-example.html>

---

## QUESTION 4

An application is using Amazon DynamoDB as its data store, and should be able to read 100 items per second as strongly consistent reads. Each item is 5 KB in size. To what value should the table's provisioned read throughput be set?

- A. 50 read capacity units
- B. 100 read capacity units
- C. 200 read capacity units
- D. 500 read capacity units

Correct Answer: C

---

## QUESTION 5

If an application is storing hourly log files from thousands of instances from a high traffic web site, which naming scheme would give optimal performance on S3?

- A. Sequential
- B. instanceID\_log-HH-DD-MM-YYYY
- C. instanceID\_log-YYYY-MM-DD-HH
- D. HH-DD-MM-YYYY-log\_instanceID
- E. YYYY-MM-DD-HH-log\_instanceID

Correct Answer: B

Reference: [https://acloud.guru/forums/aws-certified-developer-associate/discussion/-KU2dEtJb-LI5ISbH\\_S4/if-an-application-is-storing-hourly-log-files-from-thousands-of-instances-from-a](https://acloud.guru/forums/aws-certified-developer-associate/discussion/-KU2dEtJb-LI5ISbH_S4/if-an-application-is-storing-hourly-log-files-from-thousands-of-instances-from-a)

---

## QUESTION 6

Which of the following items are required to allow an application deployed on an EC2 instance to write data to a DynamoDB table? Assume that no security Keys are allowed to be stored on the EC2 instance. Choose 2 answers

- A. Create an IAM User that allows write access to the DynamoDB table.
- B. Add an IAM Role to a running EC2 instance.
- C. Add an IAM User to a running EC2 Instance.
- D. Launch an EC2 Instance with the IAM Role included in the launch configuration.

- E. Create an IAM Role that allows write access to the DynamoDB table.
- F. Launch an EC2 Instance with the IAM User included in the launch configuration.

Correct Answer: BE

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/iam-roles-for-amazon-ec2.html#attach-iam-role>

---

#### QUESTION 7

A Developer has written code for an application and wants to share it with other Developers on the team to receive feedback. The shared application code needs to be stored long-term with multiple versions and batch change tracking. Which AWS service should the Developer use?

- A. AWS CodeBuild
- B. Amazon S3
- C. AWS CodeCommit
- D. AWS Cloud9

Correct Answer: C

Reference: <https://docs.aws.amazon.com/codecommit/latest/userguide/codecommit-user.pdf>

---

#### QUESTION 8

A Developer is investigating an issue whereby certain requests are passing through an Amazon API Gateway endpoint /MyAPI, but the requests do not reach the AWS Lambda function backing /MyAPI. The Developer found that a second Lambda function sometimes runs at maximum concurrency allowed for the given AWS account.

How can the Developer address this issue?

- A. Manually reduce the concurrent execution limit at the account level
- B. Add another API Gateway stage for /MyAPI, and shard the requests
- C. Configure the second Lambda function's concurrency execution limit
- D. Reduce the throttling limits in the API Gateway /MyAPI endpoint

Correct Answer: C

<https://aws.amazon.com/about-aws/whats-new/2017/11/set-concurrency-limits-on-individual-aws-lambda-functions/>

You can now set a concurrency limit on individual AWS Lambda functions. The concurrency limit you set will reserve a portion of your account level concurrency limit for a given function. This feature allows you to throttle a given function if it

reaches a maximum number of concurrent executions allowed, which you can choose to set.

---

**QUESTION 9**

A developer has three microservice projects that are separated into different folders under the same AWS CodeCommit repository. Each project has a separate AWS CodePipeline pipeline. The developer notices that when changes are pushed to one microservice, all three pipelines begin to run.

The developer needs to ensure that only relevant pipelines run. The developer cannot make any changes to how the repository is organized.

Which solution will meet these requirements?

- A. For each of the three microservice projects, create a separate CodeCommit repository.
- B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that invokes an AWS Lambda function to evaluate changes to the repository and run the appropriate pipeline.
- C. Create an Amazon API Gateway API that is backed by an AWS Lambda function to determine the appropriate pipeline to run. Add the API endpoint to a webhook in CodeCommit.
- D. Migrate all three pipelines to a single pipeline. Add conditional stages to build a certain microservice project.

Correct Answer: C

Reference: <https://aws.amazon.com/blogs/devops/adding-custom-logic-to-aws-codepipeline-with-aws-lambda-and-amazon-cloudwatch-events/>

---

**QUESTION 10**

A company manages a website that runs on Amazon EC2 instances behind an Elastic Load Balancer. The EC2 Instances are CPU-constrained. The company's engineering team needs to secure the inbound internet traffic. Which combination of steps will meet these requirements? (Choose two.)

- A. Configure th
- B. Configure SSL certificates on the Elastic Load Balancer.
- C. Configure the Elastic Load Balancer with a Loadable Storage System.
- D. Install SSL certificates on the EC2 instances.
- E. Configure the Elastic Load Balancer with SSL termination.

Correct Answer: BE

Reference: <https://aws.amazon.com/blogs/aws/elastic-load-balancer-support-for-ssl-termination/>

---

**QUESTION 11**

A company stores all personally identifiable information (PII) in an Amazon DynamoDB table named PII in Account A. An application running on Amazon EC2 instances in Account B requires access to the PII table. An administrator in Account A created an IAM role named AccessPII with privileges to access the PII table, and made Account B a trusted entity.

Which combination of additional steps should developers take to access the table? (Choose two.)

- A. Ask an administrator in Account B to allow the EC2 IAM role permission to assume the AccessPII role.
- B. Ask an administrator in Account B to allow the EC2 IAM role permission to assume the AccessPII role with predefined service control policies.
- C. Ask an administrator in Account A to allow the EC2 IAM role permission to assume the AccessPII role with predefined service control policies.
- D. Include the AssumeRole API in the application code logic to obtain credentials to access the PII table.
- E. Include the GetSessionToken API in the application code logic to obtain credentials to access the PII table.

Correct Answer: CE

---

#### QUESTION 12

A developer from AnyCompany's AWS account needs access to the Example Corp AWS account AnyCompany uses an identity provider that is compatible with OpenID Connect. What is the MOST secure way for Example Corp to allow developer access?

- A. Create a cross-account role and call the AssumeRole API operation
- B. Create a user in the Example Corp account and provide the access keys
- C. Create a user in the Example Corp account and provide the credentials
- D. Create a cross-account role and call the AssumeRoleWithWebIdentity API operation

Correct Answer: B

---

#### QUESTION 13

A Lambda function processes data before sending it to a downstream service. Each piece of data is approximately 1MB in size. After a security audit, the function is now required to encrypt the data before sending it downstream. Which API call is required to perform the encryption?

- A. Pass the data to the KMS ReEncrypt API for encryption.
- B. Use the KMS GenerateDataKey API to get an encryption key.
- C. Use the KMS GenerateDataKeyWithoutPlainText API to get an encryption key.
- D. Pass the data to KMS as part of the Encrypt API for encryption.

Correct Answer: B

---

#### QUESTION 14

A Development team currently supports an application that uses an in-memory store to save accumulated game results.

Individual results are stored in a database. As part of migrating to AWS, the team needs to use automatic scaling. The team knows this will yield inconsistent results.

Where should the team store these accumulated game results to BEST allow for consistent results without impacting performance?

- A. Amazon S3
- B. Amazon RDS
- C. Amazon ElastiCache
- D. Amazon Kinesis

Correct Answer: B

---

#### QUESTION 15

A developer is automating a new application deployment with AWS Serverless Application Model (AWS SAM). The new application has one AWS Lambda function and one Amazon S3 bucket. The Lambda function must access the S3 bucket to only read objects.

How should the developer configure AWS SAM to grant the necessary read privilege to the S3 bucket?

- A. Reference a second Lambda authorizer function.
- B. Add a custom S3 bucket policy to the Lambda function.
- C. Create an Amazon Simple Queue Service (SQS) topic for only S3 object reads. Reference the topic in the template.
- D. Add the S3ReadPolicy template to the Lambda function's execution role.

Correct Answer: D

Reference: <https://docs.aws.amazon.com/serverless-application-model/latest/developerguide/serverless-policy-templates.html>

[DVA-C01 PDF Dumps](#)

[DVA-C01 VCE Dumps](#)

[DVA-C01 Exam Questions](#)