Exam Questions DVA-C02

DVA-C02

https://www.2passeasy.com/dumps/DVA-C02/

NEW QUESTION 1
A developer has written the following IAM policy to provide access to an Amazon S3 bucket:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
                "s3:GetObject",
                "s3:PutObject"
            ],
            "Resource": "arn:aws:s3:::DOC-EXAMPLE-BUCKET/*"
        },
        {
            "Effect": "Deny",
            "Action": "s3:*",
            "Resource": "arn:aws:s3:::DOC-EXAMPLE-BUCKET/secrets*"
        }
    ]
}
```

Which access does the policy allow regarding the s3:GetObject and s3:PutObject actions?

A. Access on all buckets except the "DOC-EXAMPLE-BUCKET" bucket
B. Access on all buckets that start with "DOC-EXAMPLE-BUCKET" except the "DOC-EXAMPLE-BUCKET/secrets" bucket
C. Access on all objects in the "DOC-EXAMPLE-BUCKET" bucket along with access to all S3 actions for objects in the "DOC-EXAMPLE-BUCKET" bucket that start with "secrets"
D. Access on all objects in the "DOC-EXAMPLE-BUCKET" bucket except on objects that start with "secrets"

Answer: D

NEW QUESTION 2
A company is running Amazon EC2 instances in multiple AWS accounts. A developer needs to implement an application that collects all the lifecycle events of the EC2 instances. The application needs to store the lifecycle events in a single Amazon Simple Queue Service (Amazon SQS) queue in the company's main AWS account for further processing.
Which solution will meet these requirements?

A. Configure Amazon EC2 to deliver the EC2 instance lifecycle events from all accounts to the Amazon EventBridge event bus of the main accoun
B. Add an EventBridge rule to the event bus of the main account that matches all EC2 instance lifecycle event
C. Add the SQS queue as a target of the rule.
D. Use the resource policies of the SQS queue in the main account to give each account permissions to write to that SQS queu
E. Add to the Amazon EventBridge event bus of each account an EventBridge rule that matches all EC2 instance lifecycle event
F. Add the SQS queue in the main account as a target of the rule.
G. Write an AWS Lambda function that scans through all EC2 instances in the company accounts to detect EC2 instance lifecycle change
H. Configure the Lambda function to write a notification message to the SQS queue in the main account if the function detects an EC2 instance lifecycle chang
I. Add an Amazon EventBridge scheduled rule that invokes the Lambda function every minute.
J. Configure the permissions on the main account event bus to receive events from all account
K. Create an Amazon EventBridge rule in each account to send all the EC2 instance lifecycle events to the main account event bu
L. Add an EventBridge rule to themain account event bus that matches all EC2 instance lifecycle event
M. Set the SQS queue as a target for the rule.

Answer: D

NEW QUESTION 3
An ecommerce company is using an AWS Lambda function behind Amazon API Gateway as its application tier. To process orders during checkout, the application calls a POST API from the frontend. The POST API invokes the Lambda function asynchronously. In rare situations, the application has not processed orders. The Lambda application logs show no errors or failures.
What should a developer do to solve this problem?

A. Inspect the frontend logs for API failure
B. Call the POST API manually by using the requests from the log file.
C. Create and inspect the Lambda dead-letter queu
D. Troubleshoot the failed function
E. Reprocess the events.
F. Inspect the Lambda logs in Amazon CloudWatch for possible error
G. Fix the errors.
H. Make sure that caching is disabled for the POST API in API Gateway.

Answer: B

NEW QUESTION 4
A developer is using an AWS Lambda function to generate avatars for profile pictures that are uploaded to an Amazon S3 bucket. The Lambda function is automatically invoked for profile pictures that are saved under the /original/ S3 prefix. The developer notices that some pictures cause the Lambda function to time out. The developer wants to implement a fallback mechanism by using another Lambda function that resizes the profile picture.
Which solution will meet these requirements with the LEAST development effort?

A. Set the image resize Lambda function as a destination of the avatar generator Lambda function for the events that fail processing.
B. Create an Amazon Simple Queue Service (Amazon SQS) queu
C. Set the SQS queue as a destination with an on failure condition for the avatar generator Lambda functio
D. Configure the image resize Lambda function to poll from the SQS queue.
E. Create an AWS Step Functions state machine that invokes the avatar generator Lambda function and uses the image resize Lambda function as a fallbac
F. Create an Amazon EventBridge rule that matches events from the S3 bucket to invoke the state machine.
G. Create an Amazon Simple Notification Service (Amazon SNS) topi
H. Set the SNS topic as a destination with an on failure condition for the avatar generator Lambda functio
I. Subscribe the image resize Lambda function to the SNS topic.

Answer: C

NEW QUESTION 5
An application is using Amazon Cognito user pools and identity pools for secure access. A developer wants to integrate the user-specific file upload and download features in the application with Amazon S3. The developer must ensure that the files are saved and retrieved in a secure manner and that users can access only their own files. The file sizes range from 3 KB to 300 MB.
Which option will meet these requirements with the HIGHEST level of security?

A. Use S3 Event Notifications to validate the file upload and download requests and update the user interface (UI).
B. Save the details of the uploaded files in a separate Amazon DynamoDB tabl
C. Filter the list of files in the user interface (UI) by comparing the current user ID with the user ID associated with the file in the table.
D. Use Amazon API Gateway and an AWS Lambda function to upload and download file
E. Validate each request in the Lambda function before performing the requested operation.
F. Use an IAM policy within the Amazon Cognito identity prefix to restrict users to use their own folders in Amazon S3.

Answer: D

NEW QUESTION 6
A developer is working on a serverless application that needs to process any changes to an Amazon DynamoDB table with an AWS Lambda function.
How should the developer configure the Lambda function to detect changes to the DynamoDB table?

A. Create an Amazon Kinesis data stream, and attach it to the DynamoDB tabl
B. Create a trigger to connect the data stream to the Lambda function.
C. Create an Amazon EventBridge rule to invoke the Lambda function on a regular schedul
D. Conned to the DynamoDB table from the Lambda function to detect changes.
E. Enable DynamoDB Streams on the tabl
F. Create a trigger to connect the DynamoDB stream to the Lambda function.
G. Create an Amazon Kinesis Data Firehose delivery stream, and attach it to the DynamoDB table.Configure the delivery stream destination as the Lambda function.

Answer: C

NEW QUESTION 7
A company is using an AWS Lambda function to process records from an Amazon Kinesis data stream. The company recently observed slow processing of the records. A developer notices that the iterator age metric for the function is increasing and that the Lambda run duration is constantly above normal.
Which actions should the developer take to increase the processing speed? (Choose two.)

A. Increase the number of shards of the Kinesis data stream.
B. Decrease the timeout of the Lambda function.
C. Increase the memory that is allocated to the Lambda function.
D. Decrease the number of shards of the Kinesis data stream.
E. Increase the timeout of the Lambda function.

Answer: AC

NEW QUESTION 8
A developer is creating an application that will store personal health information (PHI). The PHI needs to be encrypted at all times. An encrypted Amazon RDS for MySQL DB instance is storing the data. The developer wants to increase the performance of the application by caching frequently accessed data while adding the ability to sort or rank the cached datasets.
Which solution will meet these requirements?

A. Create an Amazon ElastiCache for Redis instanc
B. Enable encryption of data in transit and at res
C. Store frequently accessed data in the cache.
D. Create an Amazon ElastiCache for Memcached instanc
E. Enable encryption of data in transit and at rest.Store frequently accessed data in the cache.
F. Create an Amazon RDS for MySQL read replic
G. Connect to the read replica by using SS
H. Configure the read replica to store frequently accessed data.
I. Create an Amazon DynamoDB table and a DynamoDB Accelerator (DAX) cluster for the tabl
J. Store frequently accessed data in the DynamoDB table.

Answer: A

NEW QUESTION 9
A company has an application that uses Amazon Cognito user pools as an identity provider. The company must secure access to user records. The company has set upmulti-factor authentication (MFA). The company also wants to send a login activity notification by email every time a user logs in.
What is the MOST operationally efficient solution that meets this requirement?

A. Create an AWS Lambda function that uses Amazon Simple Email Service (Amazon SES) to send the email notificatio
B. Add an Amazon API Gateway API to invoke the functio
C. Call the API from the client side when login confirmation is received.
D. Create an AWS Lambda function that uses Amazon Simple Email Service (Amazon SES) to send theemail notificatio
E. Add an Amazon Cognito post authentication Lambda trigger for the function.
F. Create an AWS Lambda function that uses Amazon Simple Email Service (Amazon SES) to send the email notificatio
G. Create an Amazon CloudWatch Logs log subscription filter to invoke the function based on the login status.
H. Configure Amazon Cognito to stream all logs to Amazon Kinesis Data Firehos
I. Create an AWS Lambda function to process the streamed logs and to send the email notification based on the login status of each user.

Answer: B

NEW QUESTION 10
A developer is creating an AWS Lambda function that needs credentials to connect to an Amazon RDS for MySQL database. An Amazon S3 bucket currently stores the credentials. The developer needs to improve the existing solution by implementing credential rotation and secure storage. The developer also needs to provide integration with the Lambda function.
Which solution should the developer use to store and retrieve the credentials with the LEAST management overhead?

A. Store the credentials in AWS Systems Manager Parameter Stor
B. Select the database that the parameter will acces
C. Use the default AWS Key Management Service (AWS KMS) key to encrypt the paramete
D. Enable automatic rotation for the paramete
E. Use the parameter from Parameter Store on the Lambda function to connect to the database.
F. Encrypt the credentials with the default AWS Key Management Service (AWS KMS) ke
G. Store the credentials as environment variables for the Lambda functio
H. Create a second Lambda function to generate new credentials and to rotate the credentials by updating the environment variables of the first Lambda functio
I. Invoke the second Lambda function by using an Amazon EventBridge rule that runs on a schedul
J. Update the database to use the new credential
K. On the first Lambda function, retrieve the credentials from the environment variable
L. Decrypt the credentials by using AWS KMS, Connect to the database.
M. Store the credentials in AWS Secrets Manage
N. Set the secret type to Credentials for Amazon RDS databas
O. Select the database that the secret will acces
P. Use the default AWS Key Management Service(AWS KMS) key to encrypt the secre
Q. Enable automatic rotation for the secre
R. Use the secret from Secrets Manager on the Lambda function to connect to the database.
S. Encrypt the credentials by using AWS Key Management Service (AWS KMS). Store the credentials in an Amazon DynamoDB tabl
T. Create a second Lambda function to rotate the credential
. Invoke the second Lambda function by using an Amazon EventBridge rule that runs on a schedul
. Update the DynamoDB tabl
. Update the database to use the generated credential
. Retrieve the credentials from DynamoDB with the first Lambda functio
. Connect to the database.

Answer: C

NEW QUESTION 10
A company has deployed an application on AWS Elastic Beanstalk. The company has configured the Auto Scaling group that is associated with the Elastic Beanstalk environment to have five Amazon EC2 instances. If the capacity is fewer than four EC2 instances during the deployment, application performance degrades. The company is using the all-at-once deployment policy.
What is the MOST cost-effective way to solve the deployment issue?

A. Change the Auto Scaling group to six desired instances.
B. Change the deployment policy to traffic splittin
C. Specify an evaluation time of 1 hour.
D. Change the deployment policy to rolling with additional batc
E. Specify a batch size of 1.
F. Change the deployment policy to rollin
G. Specify a batch size of 2.

Answer: C

NEW QUESTION 12
A developer is deploying a new application to Amazon Elastic Container Service (Amazon ECS). The developer needs to securely store and retrieve different types of variables. These variables include authentication information for a remote API, the URL for the API, and credentials. The authentication information and API URL must be available to all current and future deployed versions of the application across development, testing, and production environments.
How should the developer retrieve the variables with the FEWEST application changes?

A. Update the application to retrieve the variables from AWS Systems Manager Parameter Stor
B. Use unique paths in Parameter Store for each variable in each environmen
C. Store the credentials in AWS Secrets Manager in each environment.
D. Update the application to retrieve the variables from AWS Key Management Service (AWS KMS).Store the API URL and credentials as unique keys for each environment.
E. Update the application to retrieve the variables from an encrypted file that is stored with the application.Store the API URL and credentials in unique files for each environment.
F. Update the application to retrieve the variables from each of the deployed environment
G. Define the authentication information and API URL in the ECS task definition as unique names during the deployment process.

Answer: B

NEW QUESTION 17
A company is planning to securely manage one-time fixed license keys in AWS. The company's development team needs to access the license keys in automaton scripts that run in Amazon EC2 instances and in AWS CloudFormation stacks.
Which solution will meet these requirements MOST cost-effectively?

A. Amazon S3 with encrypted files prefixed with "config"
B. AWS Secrets Manager secrets with a tag that is named SecretString
C. AWS Systems Manager Parameter Store SecureString parameters
D. CloudFormation NoEcho parameters

Answer: C

NEW QUESTION 18
A developer wants to expand an application to run in multiple AWS Regions. The developer wants to copy Amazon Machine Images (AMIs) with the latest changes and create a new application stack in the destination Region. According to company requirements, all AMIs must be encrypted in all Regions. However, not all the AMIs that the company uses are encrypted.
How can the developer expand the application to run in the destination Region while meeting the encryption requirement?

A. Create new AMIs, and specify encryption parameter
B. Copy the encrypted AMIs to the destination Regio
C. Delete the unencrypted AMIs.
D. Use AWS Key Management Service (AWS KMS) to enable encryption on the unencrypted AMI
E. Copy the encrypted AMIs to the destination Region.
F. Use AWS Certificate Manager (ACM) to enable encryption on the unencrypted AMI
G. Copy the encrypted AMIs to the destination Region.
H. Copy the unencrypted AMIs to the destination Regio
I. Enable encryption by default in the destination Region.

Answer: B

NEW QUESTION 20
A company hosts a client-side web application for one of its subsidiaries on Amazon S3. The web application can be accessed through Amazon CloudFront from https://www.example.com. After a successful rollout, the company wants to host three more client-side web applications for its remaining subsidiaries on three separate S3 buckets.
To achieve this goal, a developer moves all the common JavaScript files and web fonts to a central S3 bucket that serves the web applications. However, during testing, the developer notices that the browser blocks the JavaScript files and web fonts.
What should the developer do to prevent the browser from blocking the JavaScript files and web fonts?

A. Create four access points that allow access to the central S3 bucke
B. Assign an access point to each web application bucket.
C. Create a bucket policy that allows access to the central S3 bucke
D. Attach the bucket policy to the central S3 bucket.
E. Create a cross-origin resource sharing (CORS) configuration that allows access to the central S3 bucket.Add the CORS configuration to the central S3 bucket.
F. Create a Content-MD5 header that provides a message integrity check for the central S3 bucke
G. Insert the Content-MD5 header for each web application request.

Answer: C

NEW QUESTION 23
For a deployment using AWS Code Deploy, what is the run order of the hooks for in-place deployments?

A. BeforeInstall -> ApplicationStop -> ApplicationStart -> AfterInstall
B. ApplicationStop -> BeforeInstall -> AfterInstall -> ApplicationStart
C. BeforeInstall -> ApplicationStop -> ValidateService -> ApplicationStart
D. ApplicationStop -> BeforeInstall -> ValidateService -> ApplicationStart

Answer: A

NEW QUESTION 27
A developer is designing a serverless application with two AWS Lambda functions to process photos. One Lambda function stores objects in an Amazon S3 bucket and stores the associated metadata in an Amazon DynamoDB table. The other Lambda function fetches the objects from the S3 bucket by using the metadata from the DynamoDB table. Both Lambda functions use the same Python library to perform complex computations and are approaching the quota for the maximum size of zipped deployment packages.
What should the developer do to reduce the size of the Lambda deployment packages with the LEAST operational overhead?

A. Package each Python library in its own .zip file archiv
B. Deploy each Lambda function with its own copy of the library.
C. Create a Lambda layer with the required Python librar
D. Use the Lambda layer in both Lambda functions.
E. Combine the two Lambda functions into one Lambda functio
F. Deploy the Lambda function as a single.zip file archive.
G. Download the Python library to an S3 bucke
H. Program the Lambda functions to reference the object URLs.

Answer: B

NEW QUESTION 28
A developer maintains an Amazon API Gateway REST API. Customers use the API through a frontend UI and Amazon Cognito authentication.

The developer has a new version of the API that contains new endpoints and backward-incompatible interface changes. The developer needs to provide beta access to other developers on the team without affecting customers.
Which solution will meet these requirements with the LEAST operational overhead?

A. Define a development stage on the API Gateway AP
B. Instruct the other developers to point the endpoints to the development stage.
C. Define a new API Gateway API that points to the new API application cod
D. Instruct the other developers to point the endpoints to the new API.
E. Implement a query parameter in the API application code that determines which code version to call.
F. Specify new API Gateway endpoints for the API endpoints that the developer wants to add.

Answer: A

NEW QUESTION 31
A developer is using AWS Amplify Hosting to build and deploy an application. The developer is receiving an increased number of bug reports from users. The developer wants to add end-to-end testing to the application to eliminate as many bugs as possible before the bugs reach production.
Which solution should the developer implement to meet these requirements?

A. Run the amplify add test command in the Amplify CLI.
B. Create unit tests in the applicatio
C. Deploy the unit tests by using the amplify push command in the Amplify CLI.
D. Add a test phase to the amplify.yml build settings for the application.
E. Add a test phase to the aws-exports.js file for the application.

Answer: C

NEW QUESTION 32
A developer is migrating some features from a legacy monolithic application to use AWS Lambda functions instead. The application currently stores data in an Amazon Aurora DB cluster that runs in private subnets in a VPC. The AWS account has one VPC deployed. The Lambda functions and the DB cluster are deployed in the same AWS Region in the same AWS account.
The developer needs to ensure that the Lambda functions can securely access the DB cluster without crossing the public internet.
Which solution will meet these requirements?

A. Configure the DB cluster's public access setting to Yes.
B. Configure an Amazon RDS database proxy for he Lambda functions.
C. Configure a NAT gateway and a security group for the Lambda functions.
D. Configure the VPC, subnets, and a security group for the Lambda functions.

Answer: D

NEW QUESTION 35
A company is building a serverless application on AWS. The application uses an AWS Lambda function to process customer orders 24 hours a day, 7 days a week. The Lambda function calls an external vendor's HTTP API to process payments.
During load tests, a developer discovers that the external vendor payment processing API occasionally times out and returns errors. The company expects that some payment processing API calls will return errors.
The company wants the support team to receive notifications in near real time only when the payment processing external API error rate exceed 5% of the total number of transactions in an hour. Developers need to use an existing Amazon Simple Notification Service (Amazon SNS) topic that is configured to notify the support team.
Which solution will meet these requirements?

A. Write the results of payment processing API calls to Amazon CloudWatc
B. Use Amazon CloudWatch Logs Insights to query the CloudWatch log
C. Schedule the Lambda function to check the CloudWatch logs and notify the existing SNS topic.
D. Publish custom metrics to CloudWatch that record the failures of the external payment processing APIcall
E. Configure a CloudWatch alarm to notify the existing SNS topic when error rate exceeds the specified rate.
F. Publish the results of the external payment processing API calls to a new Amazon SNS topi
G. Subscribe the support team members to the new SNS topic.
H. Write the results of the external payment processing API calls to Amazon S3. Schedule an Amazon Athena query to run at regular interval
I. Configure Athena to send notifications to the existing SNS topic when the error rate exceeds the specified rate.

Answer: B

NEW QUESTION 36
An application that is hosted on an Amazon EC2 instance needs access to files that are stored in an Amazon S3 bucket. The application lists the objects that are stored in the S3 bucket and displays a table to the user. During testing, a developer discovers that the application does not show any objects in the list.
What is the MOST secure way to resolve this issue?

A. Update the IAM instance profile that is attached to the EC2 instance to include the S3:* permission for the S3 bucket.
B. Update the IAM instance profile that is attached to the EC2 instance to include the S3:ListBucket permission for the S3 bucket.
C. Update the developer's user permissions to include the S3:ListBucket permission for the S3 bucket.
D. Update the S3 bucket policy by including the S3:ListBucket permission and by setting the Principal element to specify the account number of the EC2 instance.

Answer: B

NEW QUESTION 40
A company wants to share information with a third party. The third party has an HTTP API endpoint that the company can use to share the information. The company has the required API key to access the HTTP API.
The company needs a way to manage the API key by using code. The integration of the API key with the application code cannot affect application performance.

Which solution will meet these requirements MOST securely?

A. Store the API credentials in AWS Secrets Manage
B. Retrieve the API credentials at runtime by using the AWS SD
C. Use the credentials to make the API call.
D. Store the API credentials in a local code variabl
E. Push the code to a secure Git repositor
F. Use the local code variable at runtime to make the API call.
G. Store the API credentials as an object in a private Amazon S3 bucke
H. Restrict access to the S3 object by using IAM policie
I. Retrieve the API credentials at runtime by using the AWS SD
J. Use the credentials to make the API call.
K. Store the API credentials in an Amazon DynamoDB tabl
L. Restrict access to the table by using resource-based policie
M. Retrieve the API credentials at runtime by using the AWS SD
N. Use the credentials to make the API call.

Answer: B

NEW QUESTION 45
A developer is creating an AWS CloudFormation template to deploy Amazon EC2 instances across multiple AWS accounts. The developer must choose the EC2 instances from a list of approved instance types.
How can the developer incorporate the list of approved instance types in the CloudFormation template?

A. Create a separate CloudFormation template for each EC2 instance type in the list.
B. In the Resources section of the CloudFormation template, create resources for each EC2 instance type in the list.
C. In the CloudFormation template, create a separate parameter for each EC2 instance type in the list.
D. In the CloudFormation template, create a parameter with the list of EC2 instance types as AllowedValues.

Answer: D

NEW QUESTION 46
......

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual DVA-C02 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the DVA-C02 Product From:

https://www.2passeasy.com/dumps/DVA-C02/

Money Back Guarantee

DVA-C02 Practice Exam Features:

* DVA-C02 Questions and Answers Updated Frequently

* DVA-C02 Practice Questions Verified by Expert Senior Certified Staff

* DVA-C02 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* DVA-C02 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year