DVA-C01^{Q&As}

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AWS Certified Developer - Associate (DVA-C01)

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QUESTION 1

A developer is building a website that will be hosted in an Amazon S3 bucket with static website hosting enabled. The developer will use Amazon Route 53 for the DNS service and will use an alias record to point the company\\'s domain to the bucket. The developer must redirect one S3 object to a different URL.

What should the developer use so that the redirect will work correctly from a page on the website?

A. A Route 53 CNAME alias record that points to the new location

B. An S3 object-level redirect through system-defined metadata

C. A Route 53 A record that points to the new location

D. A redirect that is configured within the S3 bucket\\'s policy

Correct Answer: A

Reference: https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/RoutingToS3Bucket.html

QUESTION 2

A developer is writing an application that will process data delivered into an Amazon S3 bucket. The data is delivered approximately 10 times a day, and the developer expects the data will be processed in less than 1 minute, on average. How can the developer deploy and invoke the application with the lowest cost and lowest latency?

A. Deploy the application as an AWS Lambda function and invoke it with an Amazon CloudWatch alarm triggered by an S3 object upload.

B. Deploy the application as an AWS Lambda function and invoke it with an S3 event notification.

C. Deploy the application as an AWS Lambda function and invoke it with an Amazon CloudWatch scheduled event.

D. Deploy the application onto an Amazon EC2 instance and have it poll the S3 bucket for new objects.

Correct Answer: B

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

QUESTION 3

A developer has built an application using Amazon Cognito for authentication and authorization. After a user is successfully logged in to the application, the application creates a user record in an Amazon DynamoDB table. What is the correct flow to authenticate the user and create a record in the DynamoDB table?

A. Authenticate and get a token from an Amazon Cognito user pool. Use the token to access DynamoDB.

B. Authenticate and get a token from an Amazon Cognito identity pool. Use the token to access DynamoDB.

C. Authenticate and get a token from an Amazon Cognito user pool. Exchange the token for AWS credentials with an Amazon Cognito identity pool. Use the credentials to access DynamoDB.

D. Authenticate and get a token from an Amazon Cognito identity pool. Exchange the token for AWS credentials with an Amazon Cognito user pool. Use the credentials to access DynamoDB.

Correct Answer: C

"You can enable your users to sign-in with a user pool, and then access AWS services using an identity pool. After a successful authentication, your web or mobile app will receive user pool tokens from Amazon Cognito. You can use those

tokens to retrieve AWS credentials that allow your app to access other AWS services"

Cognito User pool is for authentication and Identity pool is for authorization.

Reference:

https://docs.aws.amazon.com/cognito/latest/developerguide/amazon-cognito-integrating-user-pools-with-identity-pools.html

QUESTION 4

A company has multiple Developers located across the globe who are updating code incrementally for a development project. When Developers upload code concurrently, internet connectivity is slow, and it is taking a long time to upload code for deployment in AWS Elastic Beanstalk.

Which step will result in minimized upload and deployment time with the LEAST amount of administrative effort?

A. Allow the Developers to upload the code to an Amazon S3 bucket, and deploy it directly to Elastic Beanstalk.

B. Allow the Developers to upload the code to a central FTP server to deploy the application to Elastic Beanstalk.

C. Create an AWS CodeCommit repository, allow the Developers to commit code to it, and then directly deploy the code to Elastic Beanstalk.

D. Create a code repository on an Amazon EC2 instance so that all Developers can update the code, and deploy the application from the instance to Elastic Beanstalk.

Correct Answer: C

https://aws.amazon.com/premiumsupport/knowledge-center/deploy-codecommit-elastic-beanstalk/

QUESTION 5

A developer has written an AWS Lambda function using Java as the runtime environment. The developer wants to isolate a performance bottleneck in the code. Which steps should be taken to reveal the bottleneck?

A. Use the Amazon CloudWatch API to write timestamps to a custom CloudWatch metric. Use the CloudWatch console to analyze the resulting data.

B. Use the AWS X-Ray API to write trace data into X-Ray from strategic places within the code. Use the Amazon CloudWatch console to analyze the resulting data.

C. Use the AWS X-Ray API to write trace data into X-Ray from strategic places within the code. Use the X-Ray console to analyze the resulting data.

D. Use the Amazon CloudWatch API to write timestamps to a custom CloudWatch metric. Use the AWS X-Ray console to analyze the resulting data.

Correct Answer: B

Reference: https://docs.aws.amazon.com/xray/latest/devguide/xray-guide.pdf

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