



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

AWS Certified Solutions Architect - Professional (SAP-C01)

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### QUESTION 1

A user is configuring MySQL RDS with PIOPS. What should be the minimum size of DB storage provided by the user?

- A. 1 TB
- B. 50 GB
- C. 5 GB
- D. 100 GB

Correct Answer: D

If the user is trying to enable PIOPS with MySQL RDS, the minimum size of storage should be 100 GB.

Reference: [http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_PIOPS.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_PIOPS.html)

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### QUESTION 2

A United Kingdom (UK) company recently completed a successful proof of concept in Amazon WorkSpaces. The company also has a large office in the United States (US). Staff members from each office regularly travel between the two locations and need access to a corporate WorkSpace without any reconfiguration of their WorkSpaces client.

The company has purchased a domain by using Amazon Route 53 for the connection alias. The company will use a Windows profile and document management solution.

A solutions architect needs to design the full solution. The solution must use a configuration of WorkSpaces in two AWS Regions and must provide Regional resiliency.

Which solution will meet these requirements?

A. Create a connection alias in a UK Region and a US Region. Associate the connection alias with a directory in the UK Region. Configure the DNS service for the domain in the connection alias.

Configure a geolocation routing policy.

Distribute the connection string to the WorkSpaces users.

B. Create a connection alias in a UK Region. Associate the connection alias with a directory in the UK Region. Configure the DNS service for the domain in the connection alias. Configure a weighted routing policy, with the UK Region set to 1 and a US Region set to 255. Distribute the connection string for the UK Region to the WorkSpaces users.

C. Create a connection alias in a UK Region and a US Region. Associate the connection aliases with a directory in each Region. Configure the DNS service for the domain in the connection alias. Configure a geolocation routing policy. Distribute the connection string to the WorkSpaces users.

D. Create a connection alias in a US Region. Associate the connection alias with a directory in the UK Region. Configure the DNS service for the domain in the connection alias. Configure a multivalued answer routing policy. Distribute the connection string for the US Region to the WorkSpaces users.

Correct Answer: C



### QUESTION 3

True or false: In a CloudFormation template, you can reuse the same logical ID several times to reference the resources in other parts of the template.

- A. True, a logical ID can be used several times to reference the resources in other parts of the template.
- B. False, a logical ID must be unique within the template.
- C. False, you can mention a resource only once and you cannot reference it in other parts of a template.
- D. False, you cannot reference other parts of the template.

Correct Answer: B

In AWS CloudFormation, the logical ID must be alphanumeric (A-Za-z0-9) and unique within the template. You use the logical name to reference the resource in other parts of the template.

Reference: <http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/concept-resources.html>

### QUESTION 4

A company wants to launch an online shopping website in multiple countries and must ensure that customers are protected against potential "man-in-the-middle" attacks.

Which architecture will provide the MOST secure site access?

- A. Use Amazon Route 53 for domain registration and DNS services. Enable DNSSEC for all Route 53 requests. Use AWS Certificate Manager (ACM) to register TLS/SSL certificates for the shopping website, and use Application Load Balancers configured with those TLS/SSL certificates for the site. Use the Server Name Identification extension in all client requests to the site.
- B. Register 2048-bit encryption keys from a third-party certificate service. Use a third-party DNS provider that uses the customer managed keys for DNSSec. Upload the keys to ACM, and use ACM to automatically deploy the certificates for secure web services to an EC2 front-end web server fleet by using NGINX. Use the Server Name Identification extension in all client requests to the site.
- C. Use Route 53 for domain registration. Register 2048-bit encryption keys from a third-party certificate service. Use a third-party DNS service that supports DNSSEC for DNS requests that use the customer managed keys. Import the customer managed keys to ACM to deploy the certificates to Classic Load Balancers configured with those TLS/SSL certificates for the site. Use the Server Name Identification extension in all clients requests to the site.
- D. Use Route 53 for domain registration, and host the company DNS root servers on Amazon EC2 instances running Bind. Enable DNSSEC for DNS requests. Use ACM to register TLS/SSL certificates for the shopping website, and use Application Load Balancers configured with those TLS/SSL certificates for the site. Use the Server Name Identification extension in all client requests to the site.

Correct Answer: B

### QUESTION 5



A company is using multiple AWS accounts. The company has a shared service account and several other accounts for different projects.

A team has a VPC in a project account. The team wants to connect this VPC to a corporate network through an AWS Direct Connect gateway that exists in the shared services account. The team wants to automatically perform a virtual private gateway association with the Direct Connect gateway by using an already-tested AWS Lambda function while deploying its VPC networking stack. The Lambda function code can assume a role by using AWS Security Token Service (AWS STS). The team is using AWS CloudFormation to deploy its infrastructure.

Which combination of steps will meet these requirements? (Choose three.)

- A. Deploy the Lambda function to the project account. Update the Lambda function's IAM role with the `directconnect:*` permission.
- B. Create a cross-account IAM role in the shared services account that grants the Lambda function the `directconnect:*` permission. Add the `sts:AssumeRole` permission to the IAM role that is associated with the Lambda function in the shared services account.
- C. Add a custom resource to the CloudFormation networking stack that references the Lambda function in the project account.
- D. Deploy the Lambda function that is performing the association to the shared services account. Update the Lambda function's IAM role with the `directconnect:*` permission.
- E. Create a cross-account IAM role in the shared services account that grants the `sts:AssumeRole` permission to the Lambda function with the `directconnect:*` permission acting as a resource. Add the `sts:AssumeRole` permission with this cross-account IAM role as a resource to the IAM role that belongs to the Lambda function in the project account.
- F. Add a custom resource to the CloudFormation networking stack that references the Lambda function in the shared services account.

Correct Answer: BCE

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