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QUESTION 1

A user has launched an EC2 instance from an instance store backed AMI. The user has attached an additional instance store volume to the instance. The user wants to create an AMI from the running instance. Will the AMI have the additional instance store volume data?

- A. Yes, the block device mapping will have information about the additional instance store volume
- B. No, since the instance store backed AMI can have only the root volume bundled
- C. It is not possible to attach an additional instance store volume to the existing instance store backed AMI instance
- D. No, since this is ephemeral storage it will not be a part of the AMI

Correct Answer: A

QUESTION 2

The majority of your Infrastructure is on premises and you have a small footprint on AWS Your company has decided to roll out a new application that is heavily dependent on low latency connectivity to LOAP for authentication Your security policy requires minimal changes to the company\\s existing application user management processes. What option would you implement to successfully launch this application1?

- A. Create a second, independent LOAP server in AWS for your application to use for authentication
- B. Establish a VPN connection so your applications can authenticate against your existing on- premises LDAP servers
- C. Establish a VPN connection between your data center and AWS create a LDAP replica on AWS and configure your application to use the LDAP replica for authentication
- D. Create a second LDAP domain on AWS establish a VPN connection to establish a trust relationship between your new and existing domains and use the new domain for authentication

Correct Answer: C

QUESTION 3

REST or Query requests are HTTP or HTTPS requests that use an HTTP verb (such as GET or POST) and a parameter named Action or Operation that specifies the API you are calling.

- A. FALSE
- B. TRUE

Correct Answer: A

QUESTION 4

Which of these configuration or deployment practices is a security risk for RDS?

- A. Storing SQL function code in plaintext
- B. Non-Multi-AZ RDS instance
- C. Having RDS and EC2 instances exist in the same subnet
- D. RDS in a public subnet

Correct Answer: D

QUESTION 5

Your company wants to start working with AWS, but has not yet opened an account. With which of the following services should you begin local development?

- A. Amazon DynamoDB
- B. Amazon Simple Queue Service
- C. Amazon Simple Email Service
- D. Amazon CloudSearch

Correct Answer: A

QUESTION 6

An organization needs a data store to handle the following data types and access patterns:

1.
Faceting
2.
Search
3.
Flexible schema (JSON) and fixed schema
4.
Noise word elimination

Which data store should the organization choose?

- A. Amazon Relational Database Service (RDS)
- B. Amazon Redshift
- C. Amazon DynamoDB

D. Amazon Elasticsearch Service

Correct Answer: C

QUESTION 7

An Amazon Kinesis stream needs to be encrypted.

Which approach should be used to accomplish this task?

- A. Perform a client-side encryption of the data before it enters the Amazon Kinesis stream on the producer.
- B. Use a partition key to segment the data by MD5 hash functions, which makes it undecipherable while in transit.
- C. Perform a client-side encryption of the data before it enters the Amazon Kinesis stream on the consumer.
- D. Use a shard to segment the data, which has built-in functionality to make it indecipherable while in transit.

Correct Answer: B

Reference: <https://docs.aws.amazon.com/firehose/latest/dev/encryption.html>

QUESTION 8

How many relational database engines does RDS currently support?

- A. MySQL, Postgres, MariaDB, Oracle and Microsoft SQL Server
- B. Just two: MySQL and Oracle.
- C. Five: MySQL, PostgreSQL, MongoDB, Cassandra and SQLite.
- D. Just one: MySQL.

Correct Answer: A

QUESTION 9

You need to configure an Amazon S3 bucket to serve static assets for your public-facing web application. Which methods ensure that all objects uploaded to the bucket are set to public read? Choose 2 answers

- A. Set permissions on the object to public read during upload
- B. Configure the bucket ACL to sell all objects to public read
- C. Configure the bucket policy to set all objects to public read
- D. Use AWS identity and access Management roles to set the bucket to public read

E. Amazon S3 objects default to public read, so no action is needed

Correct Answer: BC

QUESTION 10

A us-based company is expanding their web presence into Europe. The company wants to extend their AWS infrastructure from Northern Virginia (us-east-1) into the Dublin (eu-west-1) region.

Which of the following options would enable an equivalent experience for users on both continents?

- A. Use a public-facing load balancer per region to load-balancer web traffic, and enable HTTP health checks
- B. Use a public-facing load balancer per region to load balancer web traffic, and enable sticky sessions
- C. Use Amazon Route S3, and apply a geolocation routing policy to distribution traffic across both regions
- D. Use Amazon Route S3, and apply a weighted routing policy to distribute traffic across both regions

Correct Answer: C

QUESTION 11

As part of your continuous deployment process, your application undergoes an I/O load performance test before it is deployed to production using new AMIs. The application uses one Amazon Elastic Block Store (EBS) PIOPS volume per instance and requires consistent I/O performance.

Which of the following must be carried out to ensure that I/O load performance tests yield the correct results in a repeatable manner?

- A. Ensure that the I/O block sizes for the test are randomly selected
- B. Ensure that the Amazon EBS volumes have been pre-warmed by reading all the blocks before the test
- C. Ensure that snapshots of the Amazon EBS volumes are created as a backup
- D. Ensure that the Amazon EBS volume is encrypted
- E. Ensure that the Amazon EBS volume has been pre-warmed by creating a snapshot of the volume before the test

Correct Answer: B

QUESTION 12

An Amazon Redshift Database is encrypted using KMS. A data engineer needs to use the AWS CLI to create a KMS encrypted snapshot of the database in another AWS region.

Which three steps should the data engineer take to accomplish this task? (Choose three.)

- A. Create a new KMS key in the destination region.

- B. Copy the existing KMS key to the destination region.
- C. Use CreateSnapshotCopyGrant to allow Amazon Redshift to use the KMS key from the source region.
- D. In the source region, enable cross-region replication and specify the name of the copy grant created.
- E. In the destination region, enable cross-region replication and specify the name of the copy grant created.
- F. Use CreateSnapshotCopyGrant to allow Amazon Redshift to use the KMS key created in the destination region.

Correct Answer: ADF

QUESTION 13

Will I be charged if the DB instance is idle?

- A. No
- B. Yes
- C. Only is running in GovCloud
- D. Only if running in VPC

Correct Answer: B

QUESTION 14

An AWS customer is deploying a web application that is composed of a front-end running on Amazon EC2 and of confidential data that is stored on Amazon S3. The customer security policy that all access operations to this sensitive data must be authenticated and authorized by a centralized access management system that is operated by a separate security team. In addition, the web application team that owns and administers the EC2 web front-end instances is prohibited from having any ability to access the data that circumvents this centralized access management system. Which of the following configurations will support these requirements?

- A. Encrypt the data on Amazon S3 using a CloudHSM that is operated by the separate security team. Configure the web application to integrate with the CloudHSM for decrypting approved data access operations for trusted end-users.
- B. Configure the web application to authenticate end-users against the centralized access management system. Have the web application provision trusted users STS tokens entitling the download of approved data directly from Amazon S3
- C. Have the separate security team create and IAM role that is entitled to access the data on Amazon S3. Have the web application team provision their instances with this role while denying their IAM users access to the data on Amazon S3
- D. Configure the web application to authenticate end-users against the centralized access management system using SAML. Have the end-users authenticate to IAM using their SAML token and download the approved data directly from S3.

Correct Answer: B

QUESTION 15

You currently run your infrastructure on Amazon EC2 instances behind on Auto Scaling group. All logs for your application are currently written to ephemeral storage. Recently your company experienced a major bug in code that made it through testing and was ultimately deployed to your fleet. This bug triggered your Auto Scaling group to scale up and back down before you could successfully retrieve the logs off your server to better assist you in troubleshooting the bug.

Which technique should you use to make sure you are able to review your logs after your instances have shut down?

- A. Configure the ephemeral policies on your Auto Scaling group to back up on terminate
- B. Configure your Auto Scaling policies to create a snapshot of all ephemeral storage on terminate
- C. Install the CloudWatch logs Agent on your AMI, and configure CloudWatch Logs Agent to stream your logs
- D. Install the CloudWatch monitoring agent on your AMI, and set up a new SNS alert for CloudWatch metrics that triggers the CloudWatch monitoring agent to backup all logs on the ephemeral drive
- E. Install the CloudWatch Logs Agent on your AMI. Update your Scaling policy to enable automated CloudWatch Log copy

Correct Answer: C

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