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AWS Certified Cloud Practitioner

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QUESTION 1

Which AWS service or feature is used to Troubleshoot network connectivity issues between Amazon EC2 instances?

- A. AWS Certificate Manager (ACM)
- B. Internet gateway
- C. VPC Flow Logs
- D. AWS CloudHSM

Correct Answer: C

VPC Flow Logs is the AWS service or feature that is used to troubleshoot network connectivity issues between Amazon EC2 instances. VPC Flow Logs is a feature that enables users to capture information about the IP traffic going to and from network interfaces in their VPC. VPC Flow Logs can help users monitor and diagnose network-related issues, such as traffic not reaching an instance, or an instance not responding to requests. VPC Flow Logs can be published to Amazon CloudWatch Logs, Amazon S3, or Amazon Kinesis Data Firehose for analysis and storage.

QUESTION 2

A company wants to host its relational databases on AWS. The databases have predefined schemas that the company needs to replicate on AWS.

Which AWS services could the company use for the databases? (Select TWO.)

- A. Amazon Aurora
- B. Amazon RDS
- C. Amazon DocumentDB (with MongoDB compatibility)
- D. Amazon Neptune
- E. Amazon DynamoDB

Correct Answer: AB

The correct answers are A and B because Amazon Aurora and Amazon RDS are AWS services that the company could use for the relational databases. Amazon Aurora is a relational database that is compatible with MySQL and PostgreSQL. Amazon Aurora is a fully managed, scalable, and high-performance service that offers up to five times the throughput of standard MySQL and up to three times the throughput of standard PostgreSQL. Amazon RDS is a service that enables users to set up, operate, and scale relational databases in the cloud. Amazon RDS supports six popular database engines: MySQL, PostgreSQL, Oracle, SQL Server, MariaDB, and Amazon Aurora. The other options are incorrect because they are not AWS services that the company could use for the relational databases. Amazon DocumentDB (with MongoDB compatibility) is a document database that is compatible with MongoDB. Amazon Neptune is a graph database that supports property graph and RDF models. Amazon DynamoDB is a key-value and document database. Reference: Amazon Aurora, Amazon RDS

QUESTION 3

An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys.

What is the SIMPLEST way to provide this information?

- A. Create an IAM user account for the auditor, granting the auditor administrator permissions.
- B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.
- C. Download the IAM credential report, then provide the report to the auditor.
- D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

Correct Answer: C

QUESTION 4

A company wants to use a server less compute service for an application.

When AWS service will meet this requirement?

- A. AWS Lambda
- B. AWS CloudFormation
- C. AWS Elastic Beanstalk
- D. Elastic Load Balancing

Correct Answer: A

QUESTION 5

Which tasks are responsibilities of AWS, according to the AWS shared responsibility model? (Select TWO.)

- A. Encrypt client-side data and authenticate data integrity.
- B. Manage customer data.
- C. Perform identity and access management.
- D. Provide physical security for Availability Zones.
- E. Patch the operating system of Amazon S3

Correct Answer: AD

QUESTION 6

A company seeks cost savings in exchange for a commitment to use a specific amount of an AWS service or category

of AWS services for 1 year or 3 years.

Which AWS pricing model or offering will meet these requirements?

- A. Pay-as-you-go pricing
- B. Savings Plans
- C. AWS Free Tier
- D. Volume discounts

Correct Answer: B

Savings Plans are an AWS pricing model or offering that can meet the requirements of seeking cost savings in exchange for a commitment to use a specific amount of an AWS service or category of AWS services for 1 year or 3 years. Savings Plans are flexible plans that offer significant discounts on AWS compute usage, such as EC2, Lambda, and Fargate. The company can choose from two types of Savings Plans: Compute Savings Plans and EC2 Instance Savings Plans. Compute Savings Plans provide the most flexibility and apply to any eligible compute usage, regardless of instance family, size, region, operating system, or tenancy. EC2 Instance Savings Plans provide more savings and apply to a specific instance family within a region. The company can select the amount of compute usage per hour (e.g., \$10/hour) that they want to commit to for the duration of the plan (1 year or 3 years). The company will pay the discounted Savings Plan rate for the amount of usage that matches their commitment, and the regular on-demand rate for any usage beyond that

QUESTION 7

A company manages factory machines in real time. The company wants to use AWS technology to deploy its monitoring applications as close to the factory machines as possible.

Which AWS solution will meet these requirements with the LEAST latency?

- A. AWS Outposts
- B. Amazon EC2
- C. AWS App Runner
- D. AWS Batch

Correct Answer: A

AWS Outposts is a fully managed service that extends AWS infrastructure, AWS services, APIs, and tools to virtually any datacenter, co-location space, or on-premises facility for a truly consistent hybrid experience. AWS Outposts enables you to run AWS services in your on-premises data center¹.

QUESTION 8

Which AWS service keeps track of SSL/TLS certificates, creates new certificates, and processes renewals?

- A. AWS Identity and Access Management (IAM)
- B. AWS Certificate Manager (ACM)

C. AWS Config

D. AWS Trusted Advisor

Correct Answer: B

Explanation: AWS Certificate Manager helps manage the challenges of maintaining SSL/TLS certificates, including certificate renewals so you don't have to worry about expiring certificates. Learn more about provisioning, managing, and deploying public and private SSL/TLS certificates.

QUESTION 9

Which of the following is the customer's responsibility under the AWS shared responsibility model? (Choose two.)

A. Maintain the configuration of infrastructure devices.

B. Maintain patching and updates within the hardware infrastructure.

C. Maintain the configuration of guest operating systems and applications.

D. Manage decisions involving encryption options.

E. Maintain infrastructure hardware.

Correct Answer: CD

QUESTION 10

Which AWS service or feature offers security for a VPC by acting as a firewall to control traffic in and out of subnets?

A. AWS Security Hub

B. Security groups

C. Network ACL

D. AWS WAF

Correct Answer: C

A network access control list (network ACL) is a feature that acts as a firewall for controlling traffic in and out of one or more subnets in a virtual private cloud (VPC). Network ACLs can be configured with rules that allow or deny traffic based on the source and destination IP addresses, ports, and protocols¹. AWS Security Hub is a service that provides a comprehensive view of the security posture of AWS accounts and resources². Security groups are features that act as firewalls for controlling traffic at the instance level³. AWS WAF is a web application firewall that helps protect web applications from common web exploits⁴.

QUESTION 11

A company wants its workload to perform consistently and correctly.

Which benefit of AWS Cloud computing does this goal represent?

- A. Security
- B. Elasticity
- C. Pay-as-you-go pricing
- D. Reliability

Correct Answer: D

Reliability is the benefit of AWS Cloud computing that ensures the workload performs consistently and correctly. According to the AWS Cloud Practitioner Essentials course, reliability means "the ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues."¹ Elasticity, security, and pay-as-you-go pricing are also benefits of AWS Cloud computing, but they do not directly relate to the goal of consistent and correct performance.

QUESTION 12

What is the total amount of storage offered by Amazon S3?

- A. WOMB
- B. 5 GB
- C. 5 TB
- D. Unlimited

Correct Answer: D

Amazon S3 offers unlimited storage for any amount of data. You can store as many objects as you want, and each object can be as large as 5 terabytes. You pay only for the storage space that you actually use, and there are no minimum commitments or upfront fees. Amazon S3 also provides high durability, availability, scalability, and security for your data.

QUESTION 13

A company wants to push VPC Flow Logs to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket.
- B. Managing the data in transit.
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

Correct Answer: C

QUESTION 14

A company needs to use standard SQL to query and combine exabytes of structured and semi-structured data across a data warehouse, operational database, and data lake.

Which AWS service meets these requirements?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Athena
- D. Amazon Redshift

Correct Answer: D

Amazon Redshift is the service that meets the requirements of using standard SQL to query and combine exabytes of structured and semi-structured data across a data warehouse, operational database, and data lake. Amazon Redshift is a fully managed, petabyte-scale data warehouse service that allows you to run complex analytic queries using standard SQL and your existing business intelligence tools. Amazon Redshift also supports Redshift Spectrum, a feature that allows you to directly query and join data stored in Amazon S3 using the same SQL syntax. Amazon Redshift can scale up or down to handle any volume of data and deliver fast query performance5

QUESTION 15

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud.

Which of the following are benefits of building this app in the AWS Cloud? (Choose two.)

- A. A large, upfront capital expense and low variable expenses
- B. Increased speed for trying out new projects
- C. Complete control over the physical security of the infrastructure
- D. Flexibility to scale up in minutes as the application becomes popular
- E. Ability to pick the specific data centers that will host the application servers

Correct Answer: BD

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