CLF-C02^{Q&As}

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AWS Certified Cloud Practitioner

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QUESTION 1

Which of the following is a benefit of using an AWS managed service?

A. Reduced operational overhead for a company\\'s IT staff

B. Increased fixed costs that can be predicted by a finance team

C. Removal of the need to have a backup strategy

D. Removal of the need to follow compliance standards

Correct Answer: A

This is a benefit of using an AWS managed service, such as Amazon S3, Amazon DynamoDB, or AWS Lambda. AWS managed services are fully managed by AWS, which means that AWS handles the provisioning, scaling, patching, backup, and recovery of the underlying infrastructure and software. This reduces the operational overhead for the company\\'s IT staff, who can focus on their core business logic and innovation. You can learn more about the AWS managed services from this webpage or this digital course.

QUESTION 2

Which pillar of the AWS Well-Architected Framework focuses on the return on investment of moving into the AWS Cloud?

A. Sustainability

B. Cost optimization

C. Operational excellence

D. Reliability

Correct Answer: B

Cost optimization is the pillar of the AWS Well-Architected Framework that focuses on the return on investment of moving into the AWS Cloud. Cost optimization means that users can achieve the desired business outcomes at the lowest possible price point, while maintaining high performance and reliability. Cost optimization can be achieved by using various AWS features and best practices, such as pay-as-you-go pricing, right- sizing, elasticity, reserved instances, spot instances, cost allocation tags, cost and usage reports, and AWS Trusted Advisor. [AWS Well-Architected Framework] AWS Certified Cloud Practitioner - aws.amazon.com

QUESTION 3

A developer has been hired by a large company and needs AWS credentials.

Which are security best practices that should be followed? (Select TWO.)

A. Grant the developer access to only the AWS resources needed to perform the job.

B. Share the AWS account root user credentials with the developer.

C. Add the developer to the administrator\\'s group in AWS IAM.

D. Configure a password policy that ensures the developer\\'s password cannot be changed.

E. Ensure the account password policy requires a minimum length.

Correct Answer: AE

The security best practices that should be followed are A and E. A. Grant the developer access to only the AWS resources needed to perform the job. This is an example of the principle of least privilege, which means giving the minimum permissions necessary to achieve a task. This reduces the risk of unauthorized access, data leakage, or accidental damage to AWS resources. You can use AWS Identity and Access Management (IAM) to create users, groups, roles, and policies that grant fine- grained access to AWS resources12.

E. Ensure the account password policy requires a minimum length. This is a basic security measure that helps prevent brute-force attacks or guessing of passwords. A longer password is harder to crack than a shorter one. You can use IAM to configure a password policy that enforces a minimum password length, as well as other requirements such as complexity, expiration, and history34.

B. Share the AWS account root user credentials with the developer. This is a bad practice that should be avoided. The root user has full access to all AWS resources and services, and can perform sensitive actions such as changing billing information, closing the account, or deleting all resources. Sharing the root user credentials exposes your account to potential compromise or misuse. You should never share your root user credentials with anyone, and use them only for account administration tasks5 . C. Add the developer to the administrator\\'s group in IAM. This is also a bad practice that should be avoided. The administrator\\'s group has full access to all AWS resources and services, which is more than what a developer needs to perform their job. Adding the developer to the administrator\\'s group violates the principle of least privilege and increases the risk of unauthorized access, data leakage, or accidental damage to AWS resources. You should create a custom group for the developer that grants only the necessary permissions for their role12.

D. Configure a password policy that ensures the developer\\'s password cannot be changed. This is another bad practice that should be avoided. Preventing the developer from changing their password reduces their ability to protect their credentials and comply with security policies. For example, if the developer\\'s password is compromised, they cannot change it to prevent further unauthorized access. Or if the company requires periodic password rotation, they cannot update their password to meet this requirement. You should allow the developer to change their password as needed, and enforce a password policy that sets reasonable rules for password management34.

QUESTION 4

Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

A. Providing high-performance container orchestration

B. Creating and rotating encryption keys

C. Detecting underutilized resources to save costs

D. Improving security by proactively monitoring the AWS environment

E. Implementing enforced tagging across AWS resources

Correct Answer: CD

C and D are correct.

Benefits of Trusted Advisor:

Cost optimization - Trusted Advisor can help you save cost with actionable recommendations by analyzing usage, configuration and spend. ?Performance - Trusted Advisor can help improve the performance of your services with actionable

recommendations by analyzing usage and configuration. ?Security - Trusted Advisor can help improve the security of your AWS environment by suggesting foundational security best practices curated by security experts.

Fault tolerance - Trusted Advisor can help improve the reliability of your services.

Service quotas - Service quotas are the maximum number of resources that you can create in an AWS account.

Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/

QUESTION 5

Which feature of Amazon RDS provides the ability to automatically create a primary database instance and to synchronously replicate data to an instance in another Availability Zone?

A. Read replicas

B. Blue/green deployment

C. Multi-AZ deployment

D. Reserved Instances

Correct Answer: C