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AWS Certified Cloud Practitioner

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QUESTION 1

A company wants to create a set of custom dashboards to collect metrics to monitor its applications.

Which AWS service will meet these requirements?

- A. Amazon CloudWatch
- B. AWS X-Ray
- C. AWS Systems Manager
- D. AWS CloudTrail

Correct Answer: A

Explanation: Amazon CloudWatch is a service that provides monitoring and observability for AWS resources and applications. Users can create custom dashboards to collect and visualize metrics, logs, alarms, and events from different sources⁵. AWS X-Ray is a service that provides distributed tracing and analysis for applications. AWS Systems Manager is a service that provides operational management for AWS resources and applications. AWS CloudTrail is a service that provides governance, compliance, and auditing for AWS account activity.

QUESTION 2

Which capabilities are in the platform perspective of the AWS Cloud Adoption Framework (AWS CAF)? (Select TWO.)

- A. Performance and capacity management
- B. Data engineering
- C. Continuous integration and continuous delivery (CI/CD)
- D. Infrastructure protection
- E. Change and release management

Correct Answer: BC

Explanation: The platform perspective of the AWS Cloud Adoption Framework (AWS CAF) helps you build an enterprise-grade, scalable, hybrid cloud platform, modernize existing workloads, and implement new cloud-native solutions¹. It comprises seven capabilities, two of which are data engineering and CI/CD¹. Data engineering: This capability helps you design and evolve a fit-for-purpose data and analytics architecture that can reduce complexity, cost, and technical debt while enabling you to gain actionable insights from exponentially growing data volumes¹. It involves selecting key technologies for each of your architectural layers, such as ingestion, storage, catalog, processing, and consumption. It also involves supporting real-time data processing and adopting a Lake House architecture to facilitate data movements between data lakes and purpose-built data stores¹. CI/CD: This capability helps you automate the delivery of your cloud solutions using a set of practices and tools that enable faster and more reliable deployments¹. It involves establishing a pipeline that can build, test, and deploy your code across multiple environments. It also involves adopting a DevOps culture that fosters collaboration, feedback, and continuous improvement among your development and operations teams¹. References:

1: Platform perspective: infrastructure and applications - An Overview of the AWS Cloud Adoption Framework

**QUESTION 3**

A company wants to use the latest technologies and wants to minimize its capital investment. Instead of upgrading on-premises infrastructure, the company wants to move to the AWS Cloud.

Which AWS Cloud benefit does this scenario describe?

- A. Increased speed to market
- B. The trade of infrastructure expenses for operating expenses
- C. Massive economies of scale
- D. The ability to go global in minutes

Correct Answer: B

Explanation: The trade of infrastructure expenses for operating expenses is one of the benefits of the AWS Cloud. By moving to the AWS Cloud, the company can avoid the upfront costs of purchasing and maintaining on-premises infrastructure, such as servers, storage, network, and software. Instead, the company can pay only for the AWS resources and services that they use, as they use them. This reduces the risk and complexity of planning and managing IT infrastructure, and allows the company to focus on innovation and growth. Increased speed to market, massive economies of scale, and the ability to go global in minutes are also benefits of the AWS Cloud, but they are not the best ones to describe this scenario. Increased speed to market means that the company can launch new products and services faster by using AWS services and tools. Massive economies of scale means that the company can benefit from the lower costs and higher performance that AWS achieves by operating at a large scale. The ability to go global in minutes means that the company can deploy their applications and data in multiple regions and availability zones around the world to reach their customers faster and improve performance and reliability.

QUESTION 4

Which action is a security best practice for access to sensitive data that is stored in an Amazon S3 bucket?

- A. Enable S3 Cross-Region Replication (CRR) on the S3 bucket.
- B. Use IAM roles for applications that require access to the S3 bucket.
- C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

Correct Answer: B

QUESTION 5

Which AWS service or tool provides recommendations to help users get rightsized Amazon EC2 instances based on historical workload usage data?

- A. AWS Pricing Calculator
- B. AWS Compute Optimizer



C. AWS App Runner

D. AWS Systems Manager

Correct Answer: B

Explanation: AWS Compute Optimizer is the AWS service or tool that provides recommendations to help users get rightsized Amazon EC2 instances based on historical workload usage data. AWS Compute Optimizer analyzes the configuration and performance characteristics of the EC2 instances and delivers recommendations for optimal instance types, sizes, and configurations. AWS Compute Optimizer helps users improve performance, reduce costs, and eliminate underutilized resources

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