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Graded Quiz • 30 min

Due Jul 16, 11:59 PM IST

Congratulations! You passed!

Grade received 100% **Latest Submission Grade** 100% **To pass** 70% or higher

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1. What are some best practices organizations need to follow in order to protect their cloud resources and systems? *Select two.*

1 / 1 point

☐ Run security monitoring tools on a periodic basis to ensure security threats and breaches are flagged

☑ Active monitoring for security and compliance

✓ **Correct**
To ensure stability and enforcement of compliance standards and business continuity, enterprises need to set up active monitoring of all connected systems and cloud-based services.

☐ Distribute tasks, workloads, and network traffic

☑ Adopt a shared responsibility model

✓ **Correct**
Operating applications and services in cloud environments demands understanding the shared accountabilities for security and compliance between the organization and cloud provider.

2. Which of the following are key components of Identity and Access Management (IAM)? *Select two.*

1 / 1 point

☐ Embedding security through the life cycle of an application

☑ Audit and Compliance

✓ **Correct**
Audit and compliance is a critical service within the IAM framework. Auditors use these processes to validate implemented controls against an organization's security policy, industry compliance, and risk policies to report deviations.

☐ Protecting data while it is at rest, in motion, and in use

☑ Cloud Directory Services

✓ **Correct**
Cloud Directory Services are used to manage user profiles and their associated credentials and password policy inside a cloud environment.

3. Which of these statements are true of cloud encryption

1 / 1 point

A. Encryption ensures only authorized users have access to sensitive dat

B. When encrypted data is intercepted without authorization, it is unreadable and meaningles

C. Encryption protects data when it is at rest, in transit, and in use in memo

D. Encryption eliminates data security risk

● A, B, and C only

○ A, B, C, and D

○ A, B, and D only

○ A and C only

✓ **Correct**
Encryption does not eliminate data security risk—it separates the security risk from the data itself by moving security to the encryption keys.

4. Identify some of the standard cloud monitoring best practices from the provided options. *Select two.*

1 / 1 point

☑ Track usage and cost of your cloud resources and services

✓ **Correct**
Organizations can leverage cloud monitoring tools to monitor and optimize the usage of their cloud resources and services.

☑ Leverage end-user experience monitoring solutions to capture the performance of an application from the point of view of its end users

✓ **Correct**
End-user experience monitoring solutions monitor user journeys to track parameters such as application response time and frequency of use. These insights can be leveraged to improve customer experience.

□ Authenticate users attempting to access their cloud resources

□ Encrypt data before it is sent to the cloud

5. Which job role requires the following skills?

1 / 1 point

- Collaboration with development and operations teams
- Containerization expertise
- Creating custom automation tools
- Building and maintaining configuration and deployment frameworks
- Monitoring security and measuring performance

○ Cloud Solutions Architects

● Cloud DevOps Engineer

○ Cloud Data Engineers

○ Cloud Integration Specialists

✓ **Correct**
Cloud DevOps Engineers collaborate with development and operations teams to create reliable and rapid release pipelines for software and updates.