

Course Assessment

Due No Due Date Points 100 Submitting an external tool

25. Which AWS service is an option that can be used to store and retrieve secrets within an AWS Lambda function?

- AWS Key Management Service (AWS KMS)
- AWS Systems Manager
- AWS Config
- AWS Step Functions

Correct



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24. What is an industry best practice for handling incidents?

KEYBOARD NAVIGATION

- Avoid using automated containment capabilities.
- Pre-provision access and tools.
- Limit incident response rehearsals to avoid complacency.
- Identify key personnel, external resources, and tools only after the incident has occurred.

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23. A cloud administrator wants to be able to rapidly launch as many copies of a function as needed to scale to the rate of incoming events. Which AWS service can provide this capability?

- AWS Lambda
- Amazon CloudWatch
- AWS Config
- Amazon EC2 Auto Scaling

KEYBOARD NAVIGATION

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22. A cloud administrator wants the ability to automatically discover and scan Amazon EC2 instances for vulnerabilities. Which service would provide that capability?

- AWS Config
- Amazon GuardDuty
- Amazon CloudWatch
- Amazon Inspector

Correct



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22. A cloud administrator wants the ability to automatically discover and scan Amazon EC2 instances for vulnerabilities. Which service would provide that capability?

- AWS Config
- Amazon GuardDuty
- Amazon CloudWatch
- Amazon Inspector

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21. Monitoring is the continuous verification of the security and performance of resources, applications, and data. The security administrator for an AWS account wants to activate monitoring in their environment to enhance their security posture. Which AWS service could help to accomplish this?

- Amazon CloudWatch
- Amazon Lightsail
- Amazon Cognito
- Amazon S3

Correct



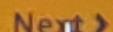
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20. Which types of information does Amazon CloudWatch collect monitoring and operational data as? (Select THREE.)

- Objects
- Logs
- Metrics
- Events
- Incidents
- Authentications

Correct



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19. Which statement is true about using AWS CloudTrail and Amazon CloudWatch together?

- Resource and application performance can be monitored, but user, group, or role actions cannot be monitored.
- These services cannot log the identity of a user, group, or role that has performed an action.
- Custom CloudTrail alarms can be configured for specific CloudWatch events.
- Custom CloudWatch alarms can be configured for specific CloudTrail events.

Correct



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18. Which statement about AWS CloudTrail is true?

- CloudTrail is not enabled by default.
- Actions taken by a user, role, or AWS service are not recorded.
- Events can be viewed in the CloudTrail console.
- CloudTrail stores application-level logs.

Incorrect



17. What is a characteristic of Amazon S3 server-side encryption with AWS Key Management Service (AWS KMS) keys (SSE-KMS)?

- The customer can audit usage of the key.
- The customer manages the keys.
- The application encrypts data before sending it to AWS.
- The keys and algorithms are known only to the customer.

Correct



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16. A company wants to establish a secure solution for its workforce and machine identities that require secrets, such as passwords to third-party applications, with automatic rotation. Which AWS service is the best solution for the company to store and use secrets securely?

- AWS Certificate Manager Private Certificate Authority
- Amazon Macie
- AWS Key Management Service (AWS KMS)
- AWS Secrets Manager

Correct



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15. Which service uses machine learning to automatically discover, classify, and protect sensitive data in AWS?

- Amazon Macie
- AWS Certificate Manager (ACM)
- AWS Key Management Service (AWS KMS)
- AWS Secrets Manager

Correct



14. A cloud administrator needs to store images that are uploaded by users through a mobile application. The solution needs to include security measures to avoid data loss. Which step or steps should they take to protect against unintended user actions?

- Store data in an Amazon Elastic Block Store (Amazon EBS) volume, and use AWS Certificate Manager to encrypt the data.
- Store data in two Amazon S3 buckets in different AWS Regions.
- Upload the images to Amazon S3 by using presigned URLs. Employ strict bucket policies, and enable S3 Versioning.
- Store data in an S3 bucket, and enable S3 Block Public Access.

Incorrect



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KEYBOARD NAVIGATION

13. A company needs to store sensitive documents in an Amazon S3 bucket. The documents must be encrypted at rest at their destination, and the company wants to manage the underlying keys that are used for encryption. Which method could they use for this purpose?

- Server-side encryption with Amazon S3 managed keys
- Server-side encryption with customer-provided keys
- Client-side encryption
- Client-side encryption with Amazon Macie

Correct



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12. A company wants to improve their security and compliance tracking without creating additional work or needing additional employees. Which AWS service would help meet the company's needs?

- Amazon Inspector
- Elastic Load Balancing (ELB)
- AWS Shield
- AWS Identity and Access Management (IAM)

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11. A company wants to automate management tasks such as collecting system inventory, applying operating system patches, maintaining up-to-date antivirus definitions, and configuring operating systems and applications at scale. Which AWS service would provide these abilities?

- Amazon Simple Notification Service (Amazon SNS)
- AWS Systems Manager
- AWS Lambda
- Elastic Load Balancing (ELB)

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10. A company wants to use an automated security assessment tool to improve the security and compliance of applications that they deploy on AWS. Which AWS service would meet their need?

- Amazon GuardDuty
- AWS Identity and Access Management (IAM)
- Elastic Load Balancing (ELB)
- Amazon Inspector

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9. An administrator wants to increase security by creating an environment where traffic to and from Amazon EC2 instances can be controlled in a stateful manner. Which security feature would meet their needs?

- Subnets
- Elastic Load Balancing (ELB)
- Security groups
- Network access control lists (ACLs)

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8. A three-tier web application environment is a modular client-server architecture. Which tiers does this type of application consist of?

- Presentation, application, data
- Presentation, AWS, data
- Data, application, internet
- Application, data, security

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7. An AWS Identity and Access Management (IAM) user requests access to a specific Amazon DynamoDB table within an account. The AWS account administrator wants to use a policy to grant access to the user. Which type of policy would best accomplish this?

- Identity-based policy
- Permissions boundary
- Session policy
- Service control policy (SCP)

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6. Which statement about multi-factor authentication (MFA) is true?

- MFA is enabled by default.
- MFA requires the use of a hardware device.
- MFA requires two or more factors to achieve authentication.
- MFA is used in place of your user name and password.

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KEYBOARD NAVIGATION

5. What is a feature of the AWS Identity and Access Management (IAM) service?

- Information assurance obfuscation
- Protection against standards-based identity providers
- Decentralized management of users and access
- Temporary access through the use of roles

Correct

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4. Which statement about service control policies (SCPs) is true?

- SCPs can be used to grant permissions.
- SCPs cannot restrict access to member accounts.
- SCPs can restrict access to services, resources, or API actions.
- Restrictions from an SCP will be overridden if allowed elsewhere.

Correct



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KEYBOARD NAVIGATION

3. Which AWS service could an administrator use to securely control access to AWS resources for users?

- AWS Config
- AWS Identity and Access Management (IAM)
- AWS CloudFormation
- AWS CloudTrail

Correct



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KEYBOARD NAVIGATION

2. What is the triad that was originally developed to highlight the important aspects of information security within an organization?

- Controllability, auditability, and agility (CAA)
- Confidentiality, integrity, and agility (CIA)
- Confidentiality, integrity, and availability (CIA)
- Visibility, agility, and automation (VAA)

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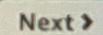
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KEYBOARD NAVIGATION

What is a characteristic of the security principle to protect data in transit?

- Use a defense in depth approach.
- Enforce separation of duties.
- Use Transport Layer Security (TLS) connections.
- Be ready to scale and absorb the attack.

Correct



1. What is a characteristic of the security principle to protect data

- Use a defense in depth approach.
- Enforce separation of duties.
- Use Transport Layer Security (TLS) connections.
- Be ready to scale and absorb the attack.